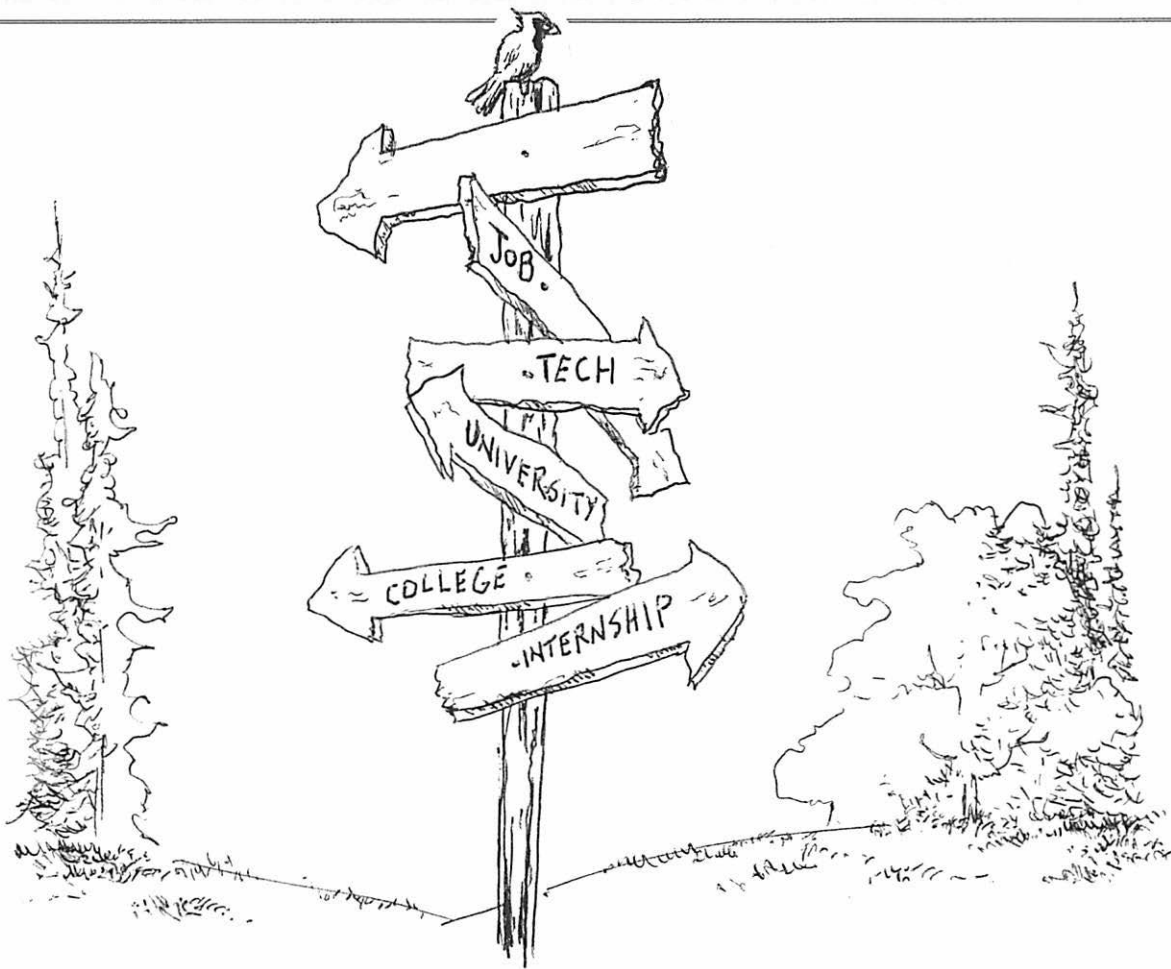


2018-19 Academic Planning Handbook

NHHS

NEWTON SENIOR HIGH SCHOOL



You Can Get There From Here

S

**10 STEPS
TOWARDS ACADEMIC SUCCESS**

1. Attend every class.
2. Complete assignments before class.
3. Sit in the front of the class.
4. Take good notes during class.
 - a. Taking notes helps you pay attention.
 - b. Get class notes if you are absent.
5. Review your notes within 24 hours of taking them.
6. Schedule your studying time and stick to it.
 - a. Use class time and study halls.
 - b. Create your own study plan.
7. Begin studying a week before a test.
8. Talk with your teachers. Know what they expect!
 - a. Learn how to adapt to different teachers.
 - b. Be prepared for class.
9. Take care of your body – get enough sleep.
10. Stay after school for extra work.
 - A. Schedule meetings with your teachers.

*Take care of the little things
and the big things will
take care of themselves.*

Newton Senior High School

800 East Fourth Street South
Newton, Iowa 50208

www.newton.k12.ia.us

High School Office 641-792-5797

District Office 641-792-5809

Guidance Office 641-792-5829

Bill Peters, Principal
Scott Garvis, Activities Coordinator/Assistant Principal
Dave Kalkhoff, Assistant Principal
Ann Nelson, LMC Director/HS Curriculum

Shelly Fitzgerald, Counselor A-G
Don Arends, Counselor H-N
Cassia Nolin, Counselor O-Z
Ed Ergenbright, Success
Sarah Patterson, Success
Desia Kies, Success

You Can Get There From Here!

Newton Cardinal Alumni are sprinkled across the country and the world. NHS Alumni achieve in an equally varied array of careers. Name the career, and you can usually find a Newton Cardinal flying high in it. Know whichever direction life takes you or you take life, NHS will be your partner in achieving your dreams and goals. You can get there from here!

Your high school career should help you develop your basic skills, determine and strengthen those areas that you are best in, and point the way to careers, further training, or college whichever ever best meets your needs. Your high school career should challenge you to develop your intellectual, artistic, musical, social, and athletic skills so that when graduation comes you are prepared for whatever you want to do. No two students have identical dreams and no two paths through high school are the same. Your choices are uniquely yours.

This handbook has been designed to help you and your parents, counselors, and teachers with the registration process. Read it carefully. You must keep certain things in mind when selecting your courses if you want to keep your options open and flexible. Many courses have prerequisites; others are open to only specific grade levels or during certain years. Plan not only for next year, but for your remaining high school years.

Your role in planning your course of study begins now. The master schedule of classes is built after all students have made their course requests. We can build a good master schedule only if you are very accurate and complete in your selection of classes.

The following pages will supply you with information and give you an idea about what you will learn and do in the classes you can take. The index on the next page will help you easily find the courses and policies for the 2017-2018 school year. A separate registration packet will provide additional information about course numbers and the registration process. Why not begin opening those doors today?

Character first, last, and always.

*Handbook cover courtesy of Don Arends.

Alphabetical Index

Academic Improvement Awards	22
Academic Letters	22
Admission Requirements at Iowa Regents Universities	15
Agriculture, Science, Technology, & Marketing Courses.....	24
Art Courses	27
Audit Policy	19
Business Education Courses	29
Careers Pathways - Art and Communication	10
Careers Pathways - Business	11
Careers Pathways - Health	12
Careers Pathways - Human Services	13
Careers Pathways - Science, Technology, Engineering, Art, and Mathematics.....	14
Computer Science	60
Correspondence Courses	17
DMACC Career Academy	7, 17
EBCE	64
ELL	39
Early Graduation	19
Extracurricular Activities	23
Family & Consumer Science & Health Courses	33
Fees and Fee Waivers	4
Foreign Language Courses.....	37
Four-Year Plan.....	6
Grade Point Average	21
Grading System	20
Graduation Requirements.....	5
Guidance Courses	39
Homebound Instruction.....	17
Honor Roll	22
Independent Study.....	17
Industrial Technology Courses	40
Language Arts Courses.....	43
Mathematics Courses.....	48
Minimum Credit and Class Requirements.....	19
Mission Statement	3
Music Courses	52
National Honor Society	22
Non-Discrimination Policy	4
Physical Education Courses.....	54
Postsecondary Enrollment Options.....	17
Pre-Engineering	56
Progress Reports	20
Recommended Sequencing of Minimum Required Credits	5
Response to Allegations of Abuse	4
Schedule Changes.....	18
Scheduling Guidelines	17
School Improvement Plan.....	3
Science Courses	57
Senior Privileges	19
Social Studies Courses	61
Special Education Courses.....	64
Student Due Process Rights.....	4
Student Records	4
Summer School Options	18
Transcripts	19
Vision Statement.....	3
West Academy.....	17



Newton Community School District Mission Statement

The Newton Community School District will do whatever it takes to ensure all students learn to think, innovate, and succeed.



Newton Senior High School Vision Statement

Newton Senior High School will be a positive learning environment where students accept the challenge of working at a high level of competency and focus on individual responsibility. The staff will create innovative educational opportunities in a facility which is safe, clean, and technologically advanced. The foundation on which we build will be a community where parents and other patrons actively support the educational process.

Newton Senior High School SIP (School Improvement Plan) Goals

1. Continually improve in reading, mathematics, and science.
2. Assess the "Quality of Life" for students, parents, and staff at NHS and develop plans to address any areas of need.
3. Use multiple assessment data to guide decision making at the building level.
4. Use multiple assessment data to guide decision making at the classroom level.

Non-Discrimination Policy

The Newton Community School District maintains that every student will have equal educational opportunities:

It is the policy of the Newton Community Schools not to illegally discriminate on the basis of race, color, creed, age (employment only), marital status, religion, national origin, gender, sexual orientation, gender identity, socioeconomic status (students/program only) or disability in its educational programs and its employment practices.

There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact the District's Equity Coordinator, Laura Selover, 1302 First Avenue West, Newton, Iowa 50208, Phone (641) 792-5809, or email seloverl@newtoncsd.org.

Student Due Process Rights

It shall be the policy of the Board of Education to provide for student due process rights. Board policies provide legitimate and reasonable channels through which policy interpretations may be quickly and equitably resolved at the lowest possible level. Student due process policies and regulations are available at any school office.

Response to Allegations of Abuse

The Newton Community School District will respond promptly to allegations of school employee abuse of students by investigating or arranging for full investigation of any allegation, and will do so in a reasonably prudent manner. The processing of a complaint or allegation will be handled confidentially to the maximum extent possible. The Newton Community School District has appointed the two Directors of Educational Services as Level I Investigators. Tina Ross, Director of Special Programs, will investigate at the 7th through 12th grade level and can be reached at 1302 First Avenue West, Newton, Iowa 50208, (641) 792-5809. Each individual will serve as the alternate investigator to the other level.

Fees and Fee Waivers

It is the intent of Newton High School to provide equal academic and extracurricular opportunities to all students regardless of the associated costs. Applications and guidelines for Fee Waivers and Reductions and Free and Reduced Lunch are available during and following the August registration days. Students and parents should contact any counselor or administrator whenever they have a need for assistance in paying for any costs assessed by Newton High School. All inquiries will remain strictly confidential.

Student Records

There are two types of student records: Student Permanent Records and Student Temporary Records.

Student Permanent Records include:

1. Basic information (students' and parents' names and addresses, birth dates and places, etc.)
2. Academic transcript (includes grades, class rank, graduation date, grade level achieved, etc.)
3. Attendance record
4. Health record
5. Record of release of permanent record information

Student Temporary Records consists of all information not required to be in the Student Permanent Record and may include:

1. Family background information
2. Intelligence test scores
3. Aptitude test scores
4. Psychological evaluations
5. Honors and awards
6. Elementary and secondary achievement test scores
7. Special education records
8. Record of release of temporary record information

Student records are confidential. Your parent or guardian may see them and you may see them if you are eighteen years old. Information regarding the release of records and the right to challenge a record may be obtained from your counselor or principal. (Board policies 505.1 - 505.3)

Newton Community School District Graduation Requirements
(Board Policy 605.4)

Students must successfully complete the required courses of study prior to graduation as determined by the State Department of Education and the Board of Directors.

It shall be the responsibility of the superintendent or designee to ensure that students complete grades one through twelve and that high school students complete the required credits prior to graduation.

Credit Requirements

Diploma from:	<u>Newton High School</u>	<u>West Academy</u>
<u>Curriculum Area</u>		
Language Arts ¹	8	8
Mathematics	6	6
Science ²	6	6
Social Studies ³	6	6
Physical Education ⁴	4	4
Health	1	1
Computer Skills	0	1
Careers	0	1
Independent Living	0	1
Possible Selves	0	1
 Elective Credits	 21	 5
 Total Credits	 52	 40

Notes

- ¹ Includes two credits in Basic Reading/English, English I, and/or Enhanced English I, two credits in English II or Enhanced English II, one credit in Writing, and/or one credit in Literature, and/or two electives.
- ² Includes two credits of Integrated Science, two credits of Applied Biology or Biology, and two credits of Applied Chemistry or Chemistry.
- ³ Global Studies, Economics, U.S. History I, U.S. History II, and U.S. Government are required. One additional Social Studies credit must be earned from a Behavioral Studies Group.
- ⁴ Physical Education graduation credits will not be waived for early graduation. Strength and Conditioning may replace physical education requirement for one year. Athletic Strength and Conditioning may replace physical education requirement for up to two years.

A student will not be allowed to graduate with fewer than the required credits without the approval of the Board of Directors. Special education students must meet individual graduation requirements as stated in their individual education plans. The Board of Directors shall have complete discretion to determine extraordinary circumstances. Newton Senior High School does not accept home school credits.

The required courses of study will be reviewed by the Board of Directors every year.

Diploma Requirements

The Newton Community School District will offer its graduates diplomas from either Newton Senior High School or from West Academy High School if they have met the respective school's requirements.

To receive a Newton Senior High School diploma, students must meet the credit requirements listed on page 5 and be enrolled in and attend classes at Newton Senior High School carrying at least **5 credits during the student's last semester prior to graduation.**

To receive a West Academy High School diploma, students must meet the credit requirements listed on page 5 and have earned at least two credits from West Academy High School during the student's last semester prior to graduation.

Exceptions to the diploma enrollment requirements may be considered in cases of extreme hardship, serious medical conditions, or significant unusual circumstances. These exceptions must be agreed upon by both the principal of Newton Senior High School and the director of West Academy High School. Should the principal and director not agree, the superintendent or designee shall render a decision.

Here's how we recommend that you take your required courses:

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Physical Education	Physical Education	Physical Education	Physical Education
English	English	English Electives	English Electives
Integrated Science	Science Electives	Science Electives	U.S. Government
Mathematics	Mathematics	Mathematics	
Global Studies	Health	U.S. History I & II	

Social Studies Behavioral Studies Credit in grades 10, 11, or 12.
Economics must be taken as a Junior or Senior

Developing a Four-Year Plan is Important!

Selecting which courses to take during each of your high school years requires careful planning and thought. You want to match your interests and aptitudes with both the required and elective courses. You are encouraged to try courses in different areas to help discover new interests and broaden your preparation for whatever the future holds. Will you be prepared for employment or college after high school graduation? Will you be prepared to change careers multiple times as most people now do? As you plan your high school career, involve others in helping make course selections.

The DMACC Career Academy is a program open to juniors and seniors and prepares them for or offers the opportunity to explore one of eleven different careers. These programs offer numerous college credits and help serve as a springboard into the future for students who choose to pursue these careers. Below is a list of the programs available and their prerequisites. On the next page the individual courses which make up the DCA programs are listed. Students must meet the prerequisites and have their own transportation to the DMACC Newton campus. Classes will meet either from 7:30-9:30AM or 1:15-3:15PM. ATTENDANCE IS VITAL for success at the academy and may be a criterion considered for pre-registration.

DMACC CAREER ACADEMY PROGRAMS

Program	Pre-Req A	Pre-Req B
Automotive Collision	Power Tech	Auto Tech
Building Trades	Woods	One Industrial Tech Elective
Business Administration	Three Business Credits	
CNA/Adv. CNA (Nurse Aide)	Health	Applied Biology or Biology
Criminal Justice	Four Science Credits	Sociology or Psychology
Culinary Arts	Foods 1	Foods 2
Health Occupations	Health	Applied Biology or Biology
Teacher Academy	Child Development	
Welding	Metals	

Auto Collision	0001, 0002, Year Two- 0011, 0012	College Credits
<i>Year One</i>		
Basic Shop Safety	CRR 150	1
Sheet Metal Fundamentals	CRR 325	5
Sheet Metal Welding	CRR 101	2
Prin. Of Refinishing	CRR 841	5
Estimating Theory	CRR 742	2
<i>Year Two</i>		
Adv. Estimating	CRR 760	2
Refinishing Applications	CRR 877	7
Plastic Repair	CRR 202	3

Building Trades/Finish Carpentry	0005, 0006, Year Two- 0015, 0016	College Credits
<i>Year One</i>		
Care/Use Hand/Power Tools	CON 336	1
Const. Blueprint Reading	CON 337	1
Materials/Const. Theory	CON 333	5
Materials Takeoff	CON 338	1
Concrete System and Framing	CON 346	4
<i>Year Two</i>		
Const. Techniques	CON 334	7
Const. Drafting and Design	CON 341	2

Business Administration	0803, 0804	College Credits
Intro to Business	BUS 102	3
Human Relations in Business	MGT 145	3
Organizational Behavior	MGT 128	3
Small Business Management	BUS 148	3
Personal Finance	FIN 121	3
Study Strategies	SDV 115	2

CNA Training	0303 (S1), 0304 (S2)	College Credits
Nurse Aid 75 Hours	HSC 172	3
Advanced CNA	HSC 182	3

Criminal Justice	0601, 0602	College Credits
Intro to Crim. Justice	CRJ 100	3
Crim. Investigation I	CRJ 141	3
Survey of Criminal Justice Agencies	CRJ 107	3
Theories of Interviewing	CRJ 109	3
Crime Scene Investigation	CRJ 195	4

Culinary Arts		
<i>Year One</i>	0401, 0402, Year Two- 0411, 0412	College Credits
Food Prep I	HCM 143	3
Food Prep I Lab	HCM 144	3
Food Prep II	HCM 152	2
Food Prep II Lab	HCM 153	2
Sanitation and Safety	HCM 100	2
Nutrition	HCM 231	2
<i>Year Two</i>		
Classes to be determined by DMACC		TBD

Health Occupations	0301, 0302	College Credits
Medical Terminology	HSC 120	3
Survey of Health Careers	HSC 105	1
Intro to Health Careers	HSC 109	3
Emergency Care	HSC 102	1
Nurse Aid 75 Hours*	HSC 172	3
Advanced CNA*	HSC 182	3

Teacher Academy	0311, 0312	College Credits
Intro to Education	EDU 213	3
Career Exploration	SDV 130	1
Initial Field Experience	EDU 218	2
Electronic Portfolio Development	SDV 164	2

Welding	0101, 0102, Year Two- 0103, 0104	College Credits
Intro WELD, Safety, and Health	WEL 228	1
Gas Metal ARC Welding(SCT)	WEL 244	2
Print Reading & Symbol Interpretation	WEL 233	3
Welding Inspection	WEL 254	1
Gas Metal Arc Welding Spray Transfer	WEL 245	2
Thermal Cutting Process I	WEL 262	2
<i>Year Two</i>		
Gas Tungsten Arc Welding for Aluminum	WEL 252	1
Print Reading & Welding Symbol Interpretation	WEL 233	3
Flux Cored Arc Welding- Self-shielded	WEL 280	2
Welding Inspection & Testing Principles	WEL 254	1
Thermal Cutting Process I	WEL 262	2

ART & COMMUNICATION CAREERS PATHWAYS

Description: The Art and Communication pathway will provide students with training and experience which will enable them to grasp the world of visual, performing, or electronic media art. A rigorous, standards-based curriculum will immerse students in their interests. The pathway will broaden the student's background guiding them to make informed choices as they move toward a decision to pursue higher education and/or future employment.

Training: Students may choose courses from three strands: Visual Arts, Publishing Arts, and Performing Arts. These strands provide pathways in fine arts, commercial art, creative publishing, journalistic publishing, music, speech, and theatre. Instruction will include current methods of technologies and internships. Job placement will be sought for focused students as well as those looking for a variety of experiences.

Occupations:

High School Diploma

Announcer
 Audio-Visual Specialist
 Camera Operator
 Choreographer
 Comedian
 Craft Artist
 Darkroom Technician
 Floral Designer
 Musician
 Singer
 Web Designer
 (Median Salary \$29,000)

Post High School Training

Actor
 Animator
 Artist
 Book Illustrator
 Broadcast Technician
 Communications Tech
 Computer Graphic Artist
 Costume Designer
 Disc Jockey
 Engraver
 Fashion Designer
 Film Processor
 Jeweler
 Make-Up Artist
 Multimedia Designer
 Photographer
 Printing Press Operator
 Production Assistant
 Recording Engineer
 Set Designer
 Sound Technician
 Textile Designer
 (Median Salary \$35,000)

Four or more years of College

Architect
 Advertising Creator
 Art Dealer
 Art Director
 Broadcast Journalist
 Cinematographer
 Commercial Designer
 Composer
 Copywriter
 Editor
 Film Director/Producer
 Film Editor
 Graphic Designer
 Illustrator
 Industrial Designer
 Multimedia Specialist
 Music Critic
 Newspaper Editor
 Painter
 Art, Drama, or Music Teacher
 (Median Salary \$55,000)

Suggested Newton High School Coursework:

Art Courses: Painting 1, *Painting 2, Drawing 1, *Drawing 2, Pottery 1, *Pottery 2, *Pottery 3, Mixed Media 1, *Mixed Media 2, Jewelry 1/2, 3-D Art 1/2, Intro to Art

Language Art Courses: Graphic Design, Intro to Journalism, Photojournalism, Newspaper, Yearbook, Theatre Production, Public Speaking, *College Prep Comp, *Humanities, Spanish I/II, Spanish III/IV, French I/II, *French III/IV, *World Lit 1650 - Present

Instrumental: Band, Music Theory, Jazz Techniques

Vocal: Chamber Choir, Concert Choir, Cardinal Chorale

***Denotes courses with college credit available.**

BUSINESS CAREERS PATHWAYS

Description: The purpose of the Business pathway is to provide students with curriculum and instructional activities to all the students to preview careers in the fields of business and technology. Students will engage in a rigorous, standards based curriculum that is supplemented with classroom experiences specific to the Business pathway.

Training: Students will be able to choose from three business pathways: Finance, Marketing, and Information Processing. Each pathway may offer the opportunity for mentorship, job shadowing, internships, and industry specific certification.

Occupations:

High School Diploma

Account Collector
 Administrative Assistant
 Billing Clerk
 Bank Teller
 Bookkeeper
 Cashier
 Computer Operator
 Data Entry Operator
 File Clerk
 General Office Clerk
 Telemarketer
 (Median Salary \$25,000)

Post High School Training

Accounting Clerk
 Advertising Sales Agent
 Auditing Clerk
 Claims Adjuster
 Clerical Supervisor
 Court Reporter
 Credit Analyst
 Customer Service Rep
 Hotel Manager
 Insurance Agent
 Loan Processor
 Legal Secretary
 Office Manager
 Paralegal
 Real Estate Agent
 Retail Buyer
 Sales Representative
 (Median Salary \$39,000)

Four or more years of College

Account Executive
 Accountant
 Actuary
 Advertising Manager
 Auditor
 Business Teacher
 Chief Executive Officer
 Computer Programmer
 Credit Manager
 Financial Planner
 Human Resources Manager
 Manufacturing Sales Rep
 Marketing Manager
 Market Research Analyst
 Operations Analyst
 Purchasing Agent
 Systems Analyst
 Tax Examiner
 Web Design Manager
 (Median Salary \$70,000)

Suggested Newton High School Coursework:

Business Courses: Intro to Business, Keyboarding, *Computer Applications, Personal Finance, Marketing, Accounting, Management, Business Law, International Business, Marketing II/DECA, Work Experience, Internships, *FLEDGE

DMACC Career Academy: *Business Administration

*Denotes courses with college credit available.

HEALTH CAREERS PATHWAYS

Description: The purpose of the health career pathway is to provide students with curriculum and instructional activities that allow students to preview the healthcare professions. Students will engage in a rigorous, standards based curriculum that is supplemented with classroom and clinical experiences specific to the health career pathway.

Training: The health career pathway focuses on a combination of academic and clinical hands-on experiences to prepare the student for entry level positions in the healthcare profession. Students can obtain clinical experience in a job shadowing or extended laboratory setting.

Occupations:

High School Diploma

Dialysis Technician
EEG Technician
EKG Technician
Home Health Aide
Nurse Aide
Physical Therapy Aide
(Median Salary \$23,800)

Post High School Training

Dental Hygienist
Dental Lab Tech
Funeral Director
Health Inspector
Massage Therapist
Medical Lab Tech
Pharmacist Assistant
Radiologic Tech
Respiratory Therapist
Sonographer
Surgical Technician
Volunteer Services Coordinator
(Median Salary \$55,000)

Four or more years of College

Athletic Trainer
Child Psychologist
Clinical Psychologist
Dentist
Dietician
Geneticist
Health Administrator
Industrial Psychologist
Medical Examiner
Microbiologist
Nurse
Occupational Therapist
Optometrist
Pharmacist
Physical Therapist
Physician
Psychiatrist
Speech Pathologist
Veterinarian
Zoologist
(Median Salary \$88,000)

Suggested Newton High School Coursework:

Health, Biology I, AP Biology, Chemistry, AP Chemistry, Physics I/II, Athletic Strength and Conditioning, Advanced Athletic Strength and Conditioning, Child Development, Psychology, *College Prep Psychology, Principles for Biomedical Science, Human Body Systems

DMACC Courses: *CNA Training, *Health Occupations

***Denotes courses with college credit available.**

HUMAN SERVICES CAREERS PATHWAYS

Description: The Human Services pathway is divided into four separate areas of study. They are Government and Law, Education, Personal and Social Services, and Hospitality and Recreation. These four distinct areas make the Human Services pathways the broadest of the five at Newton High School. While studying in the Human Services pathways, students will be preparing for both post-secondary education and a broad career field.

Training: The diversity of careers within the Human Services pathway leads to a wide-range of training at Newton High School and beyond. We currently offer a work-study program that prepares students for work and then examines the student's performance on the job. A vocational program, HERO, currently exists which allows students to have hands on training in the field of education. As this program develops, opportunities in job-shadowing, mentorship, and internships will increase.

Occupations:

High School Diploma

Aerobics Instructor
 Armed Services Career
 Child Care Worker
 Dog Groomer
 Dry Cleaning Operator
 Fashion Consultant
 Home Health Aide
 Library Assistant
 Municipal Worker
 Personal Shopper
 Postal Service Worker
 Security Guard
 Utility Worker
 (Median Salary \$24,000)

Post High School Training

Baker
 Barber
 Cosmetologist
 Crime Lab Technician
 Custom Tailor
 Fashion Designer
 Firefighter
 Flight Attendant
 Funeral Director
 Health Inspector
 Immigration Officer
 Massage Therapist
 Personal Trainer
 Police Officer
 Real Estate Agent
 Skin Care Specialist
 Real Estate Agent
 Sous-Chef
 Teacher's Aide
 Volunteer Coordinator
 (Median Salary \$39,000)

Four or more years of College

Attorney
 City Manager
 Civil Engineer
 College Professor
 Criminologist
 Executive Chef
 Family Therapist
 FBI Agent
 Financial Planner
 Food Service Manager
 Insurance Agent
 Interior Designer
 Judge
 Librarian
 Military Officer
 Museum Curator
 Park Director
 Park Ranger
 Postmaster
 Recreational Therapist
 Religious Leader
 School Counselor
 School Psychologist
 School Superintendent
 Social Worker
 Teacher
 Urban Planner
 Warden
 Welfare Director
 (Median Salary \$75,000)

Suggested Newton High School Coursework:

Career/Foods 9, Foods 1/2, Sewing and You 9, Project Runway 1/2, Project Runway: Fashion, Housing and Interior Design, Child Development, Parenting Skills, Sociology, Psychology, *College Prep Psychology, Social Psychology, The Law of the Land, Adult Living, *Early Childhood Occupations, *ECO Work Experience, Public Speaking

DMACC Career Academy: *Criminal Justice, *Teacher Academy, *Culinary Arts

***Denotes courses with college credit available.**

SCIENCE, TECHNOLOGY, ENGINEERING, ART, AND MATHEMATICS CAREERS PATHWAYS

Description: The Engineering and Technology pathway is divided into three strands. Career pathways within these strands are grouped by the knowledge and skills required of the occupations related to each strand. Individual pathways include career instruction providing real life knowledge and experiences that will help you in determining possible career interests.

Training: Engineering and Technology education can be obtained in technical colleges and institutes, two-year colleges, and four-year colleges and universities. Academic foundations for engineering and technology are laid in high school and in course work as well as through participation in engineering and technology student organizations and student competitions.

Occupations:

High School Diploma

Air Traffic Controller
Brick Mason
Carpenter
Carpet Installer
Delivery Truck Driver
Drafter
Dry Wall Installer
Freight Handler
Heating and Cooling Mechanic
Iron Worker
Locksmith
Machine Operator
Mechanic
Quality Control Assistant
Plumber
Radon Tester
Surveyor
Tile Layer
Welder
(Median Salary \$35,000)

Post High School Training

Ambulance Driver
Auto Body Repairer
Auto Mechanic
Biomedical Engineering Technician
Chemical Engineer Technician
Computer Systems Analyst
Diesel Mechanic
Dispatcher
Laser Technician
Loading Inspector
Mechanical Engineering Technician
Merchant Marine Radio Operator
Metal Engineering Technician
Operations Manager
Production Manager
Radon Technician
Railroad Technician
(Median Salary \$39,000)

Four or more years of College

Aeronautical Engineer
Aerospace Engineer
Agricultural Engineer
Airline Pilot
Airport Manager
Architect
Architectural Engineer
Biomedical Engineer
Chemical Engineer
Civil Engineer
Computer Forensic Investigator
Computer Network Engineer
Computer Programmer
Computer Systems Analyst
Database Administrator
Data Modeler
Electrical Engineer
Environmental Engineer
Flight Engineer
Geospatial Engineer
Health IT Specialist
IT Consultant
IT Manager
Mechanical Engineer
Mobile Application Developer
Nuclear Engineer
Software Engineer
Transportation Engineer
Web Developer
(Median Salary \$100,000)

Suggested Newton High School Coursework:

Exploring Woodworking and Racing Design, Materials and Processing, Computer Aided Drafting, Mechanical Drafting 1/2, Architectural Drafting, Metals, Advanced Metals, Power Technology, Automotive Technology, Woodworking, Advanced Woodworking, *PLTW-Intro to Engineering Design, *PLTW-Principles of Design, Pre-Calculus, *AP Calculus, Drawing 1, *Drawing 2, Chemistry, AP Chemistry, Physics I/II, Home repair

DMACC ACADEMY: *Welding, *Auto Collision, *Building Trades

***Denotes courses with college credit available.**

Building Your Future

ISU

UI

UNI

Preparing for Academic Success at Iowa's Regent Universities

Building your future is like building a house. Not somebody else's house, your own. You need to both envision your dream house and create blueprints for building it.

High school is a time of choices. In fact, **some of the most important choices you'll make in life are happening right now** as you sign up for your high school courses.

TAKE THE CHALLENGE

Be ambitious in your planning. **Prepare yourself not only to survive in college but to thrive. The best preparation for college is to take not the minimum courses but the optimum courses.** The experience of all three State universities points to one definite conclusion: students who succeed best in college are those who build the best foundation in high school. Even if you're not currently considering attending college, you will still benefit from these strong foundations since all jobs require a much stronger academic preparation than they did a few years ago.

DRAFT YOUR BLUEPRINT

1. **Lay your foundation carefully and wisely.** It's tempting to choose a course in which you know you could get a good grade, rather than one that might be difficult for you. But a challenging course will help you when you get to college. During high school you need to develop strong skills in reading, writing, speaking, listening, and reasoning. Courses that will help you do so are English/language arts, mathematics, sciences with laboratory experience, social studies, and foreign language. Your counselor can help you make the right choices. **Taking an ambitious course load in high school means you'll be starting college with an advantage.**
2. **Learning to love learning.** Every class you take is an opportunity to find something you care about, explore your intellectual horizons, and pursue your interests. **View each class as an opportunity and a challenge.**
3. **Develop a framework of study and work habits.** Practice study strategies that have been shown to work in college: listening and note-taking skills, distributing study time rather than cramming, revisiting, revising, and reflecting. Make every effort to understand the concepts, theories, philosophies, and relationships you're learning. **Students who come to college with proven work and study patterns have a great advantage over students who need to establish them while they're coping with all the new experiences of being a college freshman.**
4. **Experience and explore. While you are in high school, consider taking courses that will allow you to explore a future career, cultivate a talent in the performing or visual arts, or teach you about a scientific field you've known nothing about until now.** Participate in extracurricular activities. These initiatives are valued in college because they broaden your horizons, enhance your total educational experience, and increase your interaction with other people. Combined with a strong academic program, these activities should make you a confident and successful college student. **Taking full advantage of your senior year is a key to both meeting the requirements for admission and taking advantage of courses and experiences that allow you to explore your interests and develop your talents.**

FOR MORE INFORMATION

Office of Admissions
Iowa State University
100 Enrollment Services Center
Ames, IA 50011-2011
1-515-294-5836
Toll free 1-800-262-3810
www.iastate.edu
admissions@iastate.edu

Office of Admissions
The University of Iowa
107 Calvin Hall
Iowa City, IA 52242-1396
1-319-335-3847
Toll free 1-800-553-4692
www.uiowa.edu
admissions@uiowa.edu

Office of Admissions
University of Northern Iowa
002 Gilchrist Hall
Cedar Falls, IA 50614-0018
1-319-273-2281
Toll free 1-800-772-2037
www.uni.edu
admissions@uni.edu

Building Your Future: Preparing for Academic Success at Iowa's Regent Universities

		<i>Minimum Requirements for Admission</i>			<i>Optimum Recommendations for Success</i>	
		Iowa State University	The University of Iowa	University of Northern Iowa		
FOREIGN LANGUAGE	Two years of a single foreign language for admission to the College of Liberal Arts and Sciences . • Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences .	Two years of a single foreign language.	Foreign language courses are not required for admission. However, two years of foreign language in high school with a C- or above in the last term will meet the University graduation requirement.	Four years of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.		
ENGLISH / LANGUAGE ARTS	Four years of English/language arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.	Four years of English courses with an emphasis on the communication skills of writing, reading, speaking, and listening and the analysis and interpretation of literature. In addition, courses such as journalism and media literacy will be valuable. Extracurricular activities such as debate, speech contest, newspaper, and yearbook will further develop essential competencies.		
MATH	Three years, including one year each of algebra, geometry, and advanced algebra.	Three years, including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences . • Four years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the College of Engineering .	Three years, including equivalent of algebra, geometry, and advanced algebra.	Four years, one in every year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of advanced algebra and trigonometry.		
NATURAL SCIENCE	Three years, including one year each from any two of the following: biology, chemistry, and physics.	Three years, including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts and Sciences . • Three years, including at least one year of Chemistry and one year of physics, for admission to the College of Engineering .	Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.	Four years, one in each year of high school. To be really well prepared for college, take at least one year each of biology, chemistry, and physics. These can be taken in any order and may be taught productively in either a separate or integrated fashion, depending on your school's offerings.		
SOCIAL STUDIES	Two years for admission to the Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences . • Three years for admission to the College of Liberal Arts and Sciences .	Three years, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences . • Two years, with U.S. and world history recommended, for admission to the College of Engineering .	Three years, including courses in government, history, psychology, or sociology.	Three years is essential, but four is better. Take at least one year of U.S. history and one year of world history. Additional courses in history are recommended, if available. Beyond that, courses such as economics, political science, psychology, sociology, and anthropology provide an important understanding of our political, social, and economic institutions.		
OTHER COURSES	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.	Explored Courses in fine arts, performing arts, computers, or technology will help round out your high school experience. Perhaps your future field of concentration or career will lie in one of those areas. Follow your interests, your talents, and the strengths of your school. And choose courses with high academic standards.		

Scheduling Guidelines

How does the scheduling process work?

You will start by meeting with your counselors during the winter. They will help you make choices but you also should talk to parents, teachers and friends about your plans. You will also have a chance to learn more about courses either during 8th Grade Night or by talking with teachers. The more information you have, the better the decision you can make. Here's an outline of what happens:

January	Receive Academic Planning Handbook and 2017-2018 Registration Packet
February	Select courses for the 2017-2018 school year
March	Check that the courses you picked are entered correctly in the computer
April	Make any additional changes to courses only
May	Resolve conflicts as necessary
Late May	Receive a copy of your schedule
Early August	Deadline for requesting First Semester Schedule changes
August	Register for school, pay fees, and receive your final schedule
Late December	Deadline for requesting Second Semester Schedule changes

I have a special need for my program of studies. What can I do?

You might be in a situation where you can't get all of the courses you need, where you want to study a course not offered in our curriculum, where you would like to take a college course along with your high school classes or where you need to make up a credit from a past year and just don't have room in your schedule. A number of options are available to help meet your needs. Your counselors can help you. They have more specific guidelines and requirements for each program. Some of the possibilities include:

Independent Study Allows you to explore a subject or area of interest in depth under the direction of a faculty member or a department. Occasionally some teachers allow independent study to avoid scheduling conflicts.

Homebound Instruction Home/hospital instruction may be provided when a licensed physician certifies that you must be out of school for an extended period of time for medical reasons. Your parents should notify a counselor immediately if you are hospitalized or homebound.

Correspondence Courses A number of colleges have programs that offer high school level courses that are approved for credit and that may be taken by mail or by minimal attendance. Correspondence courses are approved most frequently when a student needs a non-required course to meet graduation requirements.

West Academy Alternative High School West Academy is an alternative high school for students of Jasper County. Students at risk of dropping out or those behind in credits may be considered for a shared program of courses at NHS and at West Academy. In order to enroll at West Academy, students must have completed two semesters of high school or reached the age of 16. West Academy classes may not be used to accelerate the date of graduation. Students who attend West Academy may qualify for either a West Academy diploma or a Newton High School diploma. See Graduation Requirements (Board Policy 605.4) on page 5.

College Classes Juniors, seniors, and students identified as talented and gifted may take select courses at Newton DMACC, any community college, or most four-year colleges in Iowa and receive both high school and college credit for them. On-Campus or online DMACC Classes or PSEO courses shall be part of a student's cumulative GPA and will be reported in the term that it is completed. In addition, up to \$250 of the tuition and fees for the courses will be paid for by the Newton Community School District if the course is taken during the school year, if the course is not comparable to one already offered at NHS, and if your college course load does not exceed the number of credits for a full time student. A student will pay a \$250 fee if the student fails the PSEO course or the student drops PSEO the course after the drop deadline. Senior students must be enrolled in a minimum of four semester credits offered in the NHS Academic Planning Handbook. Summer classes are also an option, but at your own expense. Adult education classes are not included. See your counselor for additional details under the Postsecondary Enrollment Options Act. (Board Policy 602.16)

DMACC Career Academy Juniors and seniors may enroll in the DMACC Career Academy (see page 9). The academy includes programs which require a full-year commitment from students and may earn for the student up to 20 credits in a particular vocational program. DMACC Career Academy classes shall be

part of the student's overall GPA and will be reported in the term that it is completed. Student eligibility for the academy is indicated in the following section.

Students must demonstrate through IA Assessment test scores proficiency in math, reading, and/or science or be deemed proficient through an alternative assessment before enrolling in the career academy. The alternative assessment process will consist of three components:

1. Academic Standing: All eligible students must be in good academic standing as determined by the home district and building principal.
2. Graduation Progress: All eligible students must be on pace to graduate with class, as determined by home district and building principal.
3. Recommendation: All eligible students must be recommended by building principal.

Any student not meeting proficiency requirements through IA Assessment scores in math, reading, and/or science but who meets both academic standards outlined in (1) and (2) above, and who is recommended by the building principal, will be allowed to enroll in the Career Academy and/or concurrent classes.

Newton Senior High School Summer School Newton Senior High School will offer summer classes in Driver Education and U.S. Government if there is a sufficient number of students requesting the course and if qualified instructors can be employed. Course descriptions, fees, fee waiver provisions, dates of the classes, and attendance requirements will be published in the Summer School registration materials which are separate from this handbook. Summer U.S. Government registration materials will be distributed to Juniors during their course selection meetings in February. Registrations will be due early April. A refundable deposit is required at the time of registration.

Summer Policy Newton Senior High School recognizes students may seek credit through online programs during the summer. Students seeking to earn credit due to deficiency in graduation credit or to enrich their studies will be acknowledged for their efforts. Online summer coursework will be honored if it meets one of the two criteria below:

1. The course is a previously failed course.
2. The course is a course not offered by Newton Senior High School.

Students will seek approval for coursework prior to enrollment.

Driver Education registration materials will be available at the beginning of the third term from the guidance office at Newton Senior High School. The Driver Education registration deadline will be early February. Before registering for Driver Education, current high school students must be in good standing, defined as passing all course work. A refundable deposit is required at the time of registration.

May I change my schedule?

The answer to that question depends most upon when you ask and the reason you are asking. With parent, counselor and sometimes teacher permission you can make almost any course change through early May. Until this time, the actual schedule of teachers and periods hasn't been finalized. When that actual schedule is determined, changes will be harder and more complicated to make. If you would like a change for first semester, you must make your request to your counselor or the principal prior to classes commencing. Changes for second semester have an early January deadline. Changing to a different teacher will be permitted only if classes would become better balanced (you are moving from a larger class to a smaller class in all cases).

Some approved reasons for changing a schedule include:

- Special Education program change
- Making up failed classes
- Computer errors
- Changes in career or college plans
- Adding a class to an open Block or Half Block
- Changing to a more appropriate level of a Math, English or Science course
- Unique situations that jeopardize your graduation
- Taking classes at other colleges or schools at the same time

May I repeat a class that I've already taken?

You may repeat a course which you have taken in order to improve your skills or knowledge. A course in which you received a failing grade may be retaken at any time. A course in which you received a passing grade may be repeated by the end of the next school year. Only three courses in which a passing grade was earned may be repeated. When a course which you passed is repeated, both grades will appear on

your transcript; however, only the repeat grade will be used in grade point average calculations, and no duplicate credit will be awarded. No previously earned credit will be taken away as a result of failing a repeated course. (Board Policy 605.1)

May I just drop an extra class?

Yes and no. You were expected to put a lot of thought and preparation in selecting your courses and the school did the same in developing the master schedule of classes. Your choices determined the master schedule and in some cases determined other students might not get the combination of classes they requested. After the change deadlines, you must honestly try each of your BLOCK classes for at least three weeks and your HALF BLOCK classes for at least six weeks. If you still want to drop the class at the end of that time, if the course is not required for graduation, and if your parents agree, you may do so and be assigned a study hall without receiving an "F" grade. The three- and six-week drop policy gives you a no risk opportunity to try an extra class. To drop a class, you must complete a drop form available in the guidance office. If you drop the class or are dropped from a class before or after those times, you will receive an "F" grade and be assigned to a study hall.

What is the minimum credit load? May I have study hall time?

The minimum credit load is 6 credits per semester and 3 contact blocks per term for Grades 9-11, and 5 credits per semester and 2 contact blocks per term for Grade 12. (A lesser load requirement of 4 credits per semester will be allowed for students in Early Childhood Occupations to compensate for the discrepancy between job site contact time and credits.) A student must average 6.5 credits per semester in order to earn the required 52 credits in 4 years. During non-class time, you will be assigned to a study hall. Study hall time may be spent using the Library Media Center, meeting with teachers and counselors, taking music lessons, participating in a support group, or volunteering to work in school offices as well as for completing class work. Study hall time can be valuable, especially for students involved in activities, work, or taking a class with a lot of homework. Freshmen, sophomores, and juniors must also stay at school during the lunch period.

May I take a class for no credit?

Taking a class for no credit is called auditing. The course will be listed on your transcript with an "AU" grade, and you will not receive credit towards graduation or points toward your grade point average. If you audit a class, you will be expected to attend regularly, do all of the work and take all of the tests just as if you were taking the class for credit. Any non-required class may be taken on audit basis if seats are available, your credit load remains at 6 credits or more for that semester and you request audit status during the first ten school days of the class. Failure to fulfill these conditions could lead to a failing grade in the course.

Do Seniors have special privileges?

You earn the senior privilege of open campus based upon your previous attendance and academic performance. The minimum expectation is passing all of your classes and having fewer than 12 absences during the second semester of your junior year. Your open campus privilege will continue so long as you attend classes regularly, maintain passing grades, and behave appropriately. Seniors who have not earned open campus privileges or who lose them once earned will be reassigned to a study hall for each open period of the school day.

May I graduate early?

Yes, you may if it is really necessary. We think a full four-year program is best, but if you meet all the credit requirements, have a good reason, and parent permission you may graduate up to one year early. You must apply in advance of your normal graduation date. Your counselor has the required application forms. Early graduates may participate in graduation exercises. (Board policy 605.5)

Where can I get a transcript?

Transcripts are copies of official school academic records that are frequently requested by colleges, scholarship committees and employers to document a student's performance. The Guidance registrar will prepare and mail transcripts for you upon request. The first application/transcript will be mailed free of charge. Each additional transcript will cost you \$1.00. The Guidance registrar keeps track of the number and destination of each transcript mailed.

Grade Reporting Procedures

How do I know what is expected?

On the first day of class you will receive a first-day handout from each of your teachers outlining what you can expect from the class. The handout will include the minimum course requirements which you must meet to earn credit in the course. Most of the teachers of the same course will use the same requirements. When you read the handout, you should be able to find:

- The number and types of major projects
- The number of major tests
- The kinds of activities in which you will be expected to actively participate
- The amount and type of homework expected
- The grading practices for homework, projects, class participation and tests
- How your term grades will be determined
- Any additional materials which you will need for the class
- The availability of extra help

When are Report Cards Issued?

You will receive a report card four times a year at the end of each term (quarter). The report card will list all of the year's courses in which you are enrolled, much like a transcript. The courses which you have taken or are currently taking will have grades recorded. You will earn credit for block courses at the end of each term and half block courses at the end of each semester (Term 2 and Term 4). As a result, your Term 1 and Term 3 report cards may include some final and some midcourse grades. Your Term 2 and Term 4 Report Cards will only include final grades.

What about Mid-Term Progress Reports and Parent-Teacher Conferences?

Mid-term progress reports will be issued approximately halfway through each term. You will be given a progress report from each class, and then be expected to take one copy to your parent or guardian and freshmen will be expected to return a signed copy to their respective teachers. If your progress in the class changes significantly, other progress reports may be issued by teachers or requested by you or your parents. The mid-term progress reports will become especially important in a block schedule because Term grades are final for block courses and become part of your record. Mid-term progress report grades do not become part of your permanent record.

Parent-Teacher conferences will be scheduled once each term. Additional conferences may always be arranged by contacting the teacher or counselor.

What letter grades are used? What else will be on my Report Card?

The following letter grades are used in the reporting system:

Used in calculating Grade Point Averages

A	Excellent	B	Very Good	C	Average
D	Passing	F	Failing, No Credit		

Not used in calculating Grade Point Averages

EX	Excused, No Credit	AU	Audit, No Credit	W	Withdrawn
P	Passing, Credit	NC	Not Passing, No Credit	CR	Credit
I	Incomplete				

Your report cards will also include comments regarding your performance, class and school absences, term and cumulative grade point averages, and current class rank. Only your final term grades and absences become part of your permanent record. Your class rank and cumulative grade point average will be recalculated at the end of each term.

How is my Grade Point Average figured?

Your grade point average is one of your most important records maintained at NHS. Your cumulative GPA also determines your class rank which is recalculated at the end of each term using all of the courses which you have completed. Grades are awarded mark points: an A is worth four mark points, a B is worth three mark points, a C is worth two, a D is worth one and an F is worth none. Plus and minus grades do not change the number of mark points associated with the letter grade. Each course carries a certain amount of potential credits. Most classes are either one or two credits depending upon the number of hours of class time. Grade points are determined by multiplying the number of potential credits in the course times the mark points. Your grade point average is determined by adding the total grade points and dividing by the total potential credits. Your potential credits become earned credits and count toward graduation when you successfully complete the course. Here is an example of a student's first semester grades showing both block and half block courses:

First Semester Grade Reporting for Buzz Abernathy

Sched Type Course	Term 1				Term 2				Semester Summary		
	Grade	Potential Points	Potential Credits	Earned Credits	Grade	Potential Points	Potential Credits	Earned Credits	Grade Points	Potential Credits	Earned Credits
HB2 English I	B	3	1	na	C+	2	1	1	2	1	1
B2 Algebra I	A-	4	1	1	B-	3	1	1	7	2	2
B1 PE 9-10					A	4	1	1	4	1	1
B2 Biology	B+	3	1	1	A-	4	1	1	7	2	2
HB2 Band	C	2	1	na	B	3	1	1	3	1	1
Totals		12	4	2		16	5	5	23	7	7
		GPA = 3.000 (12 / 4)				GPA = 3.200 (16 / 5)			GPA = 3.280 (23 / 7)		

Grades Used For: Honor Rolls
Eligibility
Senior Privileges

Honor Rolls
Eligibility
Senior Privileges

Academic Letters
Academic Improvement

Notice that the grades for the block classes earn credits each term, but those for the half block classes (English I and Band in the example) earn credit only at the end of Term 2. Buzz is taking 7 credits this semester, and all of those credits are used in determining such awards as Academic Letters. His cumulative grade point average and class rank (not shown) are recalculated at the end of both Term 1 and Term 2. Only Final Grades are used in determining Cumulative Grade Point Average and Class Rank.



What recognition is available to students based upon their good grades?

Honor Rolls are determined at the end of each term using all of the grades for that term. To be on the Honor Roll, you must be taking the minimum number of credits with no "I" or "F" grades. The 'A' Honor Roll recognizes students with a G.P.A. of 3.667 or higher and the 'B' Honor Roll recognizes students with a G.P.A. of at least 3.000 but less than 3.667. If you make the Honor Roll, you will have your name posted at school and published in the *Newton Daily News*.

Academic Letters are awarded to students who consistently demonstrate high academic achievement in the regular education curriculum. To qualify for an Academic Letter, you must earn a minimum semester grade point average of 3.333 for two consecutive semesters. During each of those semesters, you must carry the minimum academic load at Newton Senior High School. Upon initial qualification, an Academic Letter is awarded during Advisor/Advisee room. For each following semester in which you earn a 3.333 GPA, you will receive a gold lamp to place on your letter. If you fall below a 3.333 grade point average for a semester, you may requalify by achieving that grade point for two consecutive semesters.

Academic Achievement Pins are presented to students who improve their semester grade point average by at least .25 over the previous semester. This is an incentive for improvement and does not require a minimum grade point average to qualify. Students receiving Academic Letters are not eligible for Academic Achievement Pins.

National Honor Society ranks as one of the oldest and most prestigious national organizations for high school students. The purpose of this organization is to recognize enthusiasm for scholarship, service, leadership, and character. Student membership in the National Honor Society is based on achieving recognition in these four distinguishing traits. Membership is further restricted to students in the junior and senior classes who have cumulative scholastic grade averages of at least 3.667.

The faculty receives a list of those juniors and seniors with the 3.667 grade point average and helps determine whether a student is in good standing. If so, the student is requested to submit a summary of all activities, service projects, and volunteer work that he/she has been involved in during his/her high school years. Meeting that criteria then determines who is invited into the National Honor Society.

An induction ceremony is held in the spring to recognize new members and their parents and to present the National Honor Society pins. This reception is planned and conducted by seniors who were inducted into the National Honor Society when they were juniors.

Commencement Honors are determined by students' cumulative grade point average **at the end of Term 3** of the school year of graduation. Only final grades count towards the cumulative GPA. Seniors in regular education courses who have a cumulative GPA of 3.000 - 3.666 will graduate with "Honors", those with a GPA of 3.667 - 3.899 with "High Honors" and those with a GPA of 3.900 - 4.000 with "Highest Honors". The student or students with the highest grade point average will be designated Valedictorian. If there is only one Valedictorian, the student or students with the next highest GPA will be designated as Salutatorian. The Valedictorian and Salutatorian awards are based upon grades earned through all semesters of attendance.



Extracurricular Activities

Participation in extracurricular activities helps you develop leadership qualities, make new friends, learn leisure time activities, pursue special interests, and just have fun.

You are encouraged to participate in one or more of the activities. However, since the primary purpose of high school is to promote scholastic achievement, you should select activities wisely and budget your time effectively. There are activities that provide for (1) an extension of interests aroused in the classroom, (2) an opportunity to develop special interests and abilities, and (3) social and service activities in the school and community.

In order to be eligible for athletics and/or public appearing events, you must have passed all credited subjects the previous term. Any loss of eligibility will be reviewed at any time after four weeks to determine the status for the balance of the term. If you participate in athletics, you must have an annual physical examination and be covered by health and accident insurance (see the Student Handbook for additional information). Some of the possible activities are:

Activities/Clubs

All State Music
Art Club
Battle of the Books
Book Club
Empower Tanzania Club
FCA (Fellowship of Christian Athletes)
FFA (Future Farmers of America)
Future Problem Solvers
GSA (Gender Sexuality Alliance)
Graffiti
International Club
IT Club (Newbotics)
Jazz Choir
Jazz Ensemble
Jazz Lab
Key Club
Knowledge Masters
Leadership
Map Club
Mat Maids
Math Club
Model UN
P7 Bible Club
Pacesetters
Plays and Musicals
Quiz Bowl
Rugby
Science Club
Spanish Club
Spanish Conversation Club
Special Olympics
Speech and Drama Contests
Stage Crew
State Contests
SAAC (Student Athletic Advisory Council)
Student Council
Thespians (Drama Club)
Trap Team
Travel Club
Yoga & Ice-cream

Athletics

Boys' Baseball
Boys' Basketball
Boys' Bowling
Boys' Cross Country
Boys' Golf
Boys' Soccer
Boys' Swimming
Boys' Tennis
Boys' Track
Cheerleading
Football
Girls' Basketball
Girls' Bowling
Girls' Cross Country
Girls' Golf
Girls' Soccer
Girls' Softball
Girls' Swimming
Girls' Tennis
Girls' Track
Girls' Volleyball
Wrestling

Class-Related

A Cappella Choir
Cardinal Chorale
The Cardinal Chronicle
Chamber Choir
Colorguard
Concert Choir
DECA
FCCLA/HERO
Marching Band
Newtonia
Symphonic Band
Wind Ensemble

Honorary Organizations

International Thespians Society
National Honor Society
Quill and Scroll

AGRICULTURE SCIENCE, TECHNOLOGY, AND MARKETING

Do You...

- Like planning and directing projects?
- Have an interest in working with animals or plants?
- Enjoy doing engineering or mechanical tasks?
- Enjoy working outdoors and studying environmental issues?
- Enjoy leadership activities?
- Love to travel?
- Want to make \$\$\$?
- Want to meet new people with similar interests?

If so, you owe it to yourself to consider all of the career opportunities in the field of agriculture. There are more than 300 career paths that deal with the production, marketing, processing, and development of the nation's food supply and the care of its natural resources. Over **20 percent** of Iowa's jobs are directly related to the agriculture industry.

The Agricultural Education program is much more than a class. The agricultural education program consists of three parts: classroom, SAE, and FFA. Classroom instruction gives students the knowledge and skills they need for success in today's world, and students get a chance to practice and apply this knowledge and skills in their Supervised Agricultural Experience Projects (SAE) and through the National FFA Organization.

Supervised Agricultural Experience (SAE)

An SAE project is any experience outside of regularly scheduled class time in which the student gains new skills in agriculture. Students could hold an ag-related job, job shadow an ag professional, or own any agribusiness enterprise such as an animal or plant project or agriculture service business. Examples of common SAE programs include: raising animals, working at an agribusiness, taking photographs, growing and exhibiting flowers and vegetables, raising crops, trapping and hunting, mowing lawns, starting a small business, or completing an ag mechanics project. SAE project work makes up a small portion of the student's grade in the course.

Future Farmers of America (FFA)

FFA is an intracurricular organization for students enrolled in agricultural education courses. The Newton FFA Chapter offers a multitude of opportunities to get involved in leadership projects, community service, recreation, competitive events, scholarships, and skills development. Activities and competitions will allow students to put their learning into practice on a local, state, and national level.

Articulated Courses: Agricultural Science I, II, and III. See Page 8 for additional information.

Agricultural Science, Technology, & Marketing Courses

Agricultural Science I	Introduction to Horticulture
Agricultural Science II	Advanced Horticulture
Agricultural Science III	Agricultural Sales & Marketing
Agricultural Science IV	Survey of the Animal Industry

Agricultural Science I (7011, 7012) Two Credits, Half Block Grades 9, 10, 11, 12
Animal science is the primary focus of Ag I. Students will study the beef, swine, sheep, horse, dairy, and poultry industries. Livestock nutrition, reproduction, and evaluation will also be covered. The FFA and Supervised Agricultural Experience (SAE) components will be introduced. Students also develop leadership and communication skills through FFA activities. Leadership, cooperation, respect, maturity, and responsibility are emphasized. Students will learn basic hand and power tool safety in the agricultural setting.

Agricultural Science II (7021, 7022) Two Credits, Half Block Grades 10, 11, 12
Crop production and animal science are the cornerstones for this course. Iowa's chief crops of corn, soybeans, and forages are covered. Crop production practices and grazing management are examined. Plant genetics and forestry round out the plant study. Units on animal care practices, equipment repair, and meat science help complement student livestock knowledge. Parliamentary procedure, FFA and SAE are also included.

Agricultural Science III (7031, 7032) Two Credits, Half Block Grades 11, 12
Agricultural business management and natural resource management are the areas of primary study in Ag Science III. Recordkeeping, ag economics, insurance, and ag law units will prepare students for agricultural careers. Animal science units will consist of dairy products and small animal care. Natural resource topics will include soil science and the importance of hunting and trapping as a wildlife management tool. In the shop, students will study electrical wiring and machinery management. Advanced leadership studies, FFA activities, and SAE work will round out this course.

Agricultural Science IV (7042) Two Credits, Half Block Grade 12
Advanced agricultural management practices, career planning, and current issues in agriculture are main areas of study in Ag Science IV. Students will explore ag career and college options. Agricultural entrepreneurship is also stressed. Weed control and crop chemicals are examined in plant science. Units on sustainable agriculture, livestock facilities, biotechnology, and GPS help introduce students to recent advances in agriculture. As part of a natural resources unit, students will study sport fishing, aquaculture, and invasive species. Mechanical units will include concrete, plumbing, and fencing. Time will also be spent on preparing for advanced FFA degrees, offices, and awards.

Survey of Animal Industry (7040) One Credit, Half Block Grade 12
This course is an analysis of the livestock industry with emphasis on reproduction, inheritance, performance testing, selection and marketing. The purpose of this course is to understand not only the ways by which animals serve humanity, but appreciate the ways in which human caretakers manage and serve animals via selection, nutrition and management. **Offered for college credit DMACC AGS113 (3 credits)**

Introduction to Horticulture (7051) One Credit, Half Block Grades 10, 11, 12
This course introduces students to basic horticulture. Course includes plant anatomy and physiology, plant classification and identification, and basic plant care. **Offered for college credit DMACC AGH106 (3 credits)**

Advanced Horticulture (7052) One Credit, Half Block Grades 10, 11, 12
This course is designed for students that have completed Introduction to Horticulture (AGH106). Horticulture is designed to introduce students to the huge career area of horticulture. Students will learn how to take care of the trees, gardens, and lawns at home. Instruction will be given in basic plant science, environmental factors, plant nutrients, propagation, and pest management. Greenhouse production, gardening, fruit production, turf grass care, landscaping, and floral design will also be covered. Students will learn in the classroom, greenhouse, and in outdoor settings on campus and in the community. Class activities will help prepare students for state FFA competitions.

Agricultural Sales & Marketing (7053)

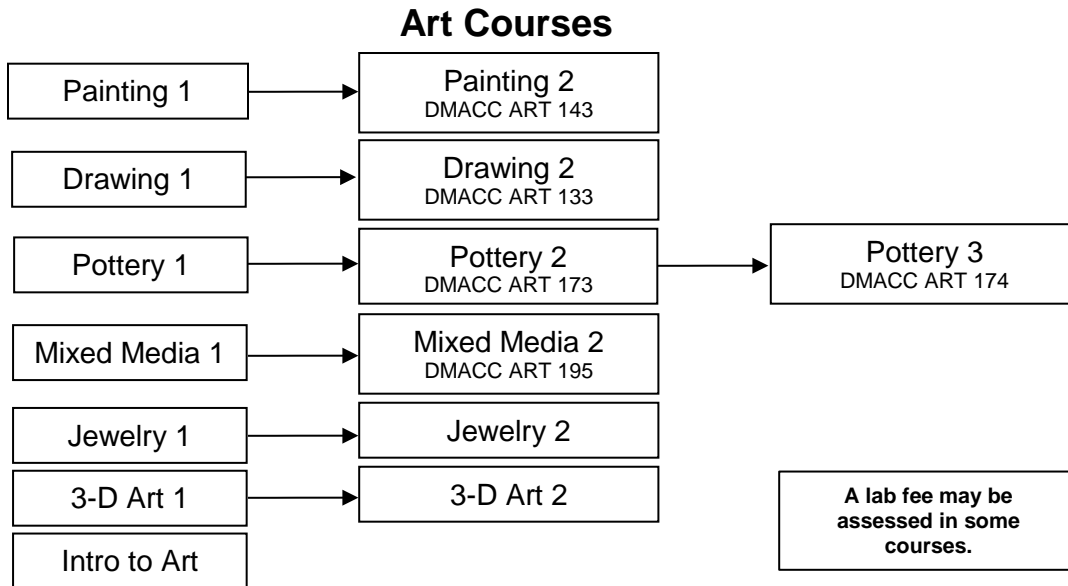
One Credit, Half Block

Grades 11, 12

Agricultural Sales & Marketing is a spring course designed for upper level students interested in the many career opportunities in the largest occupational area of the agricultural industry. This course concentrates on developing skills and knowledge in agricultural sales techniques, advertising, interviewing, human relations, marketing plans, and customer relations. Business plans will also be analyzed and commodity marketing will be examined. Students will use the skills learned to implement FFA chapter events and activities.

ART

Courses in the Art Department are designed to empower you to use technical and creative skills and to make informed personal choices in the process of making works of art. You will learn to expand your creative thinking skills while exploring various mediums such as pencil, marker, paint, chalk, clay, metal, dye, glass, and even found objects. You will learn a variety of techniques for using and combining these mediums. And note that most courses have a second or third level, many of which are offered for concurrent credit (high school and DMACC credit at the same time).



Introduction to Art (1150) One Credit, Block Grades 9, 10, 11, 12
 This is a beginning art course open to all students interested in art. Students will make a variety of projects with a wide range of materials. Projects are selected to help you gain confidence in your art skills and ensure comfort and success in future NHS art classes. Students may be working with pencil, marker, colored pencil, acrylic paint, paper, tin, vinyl, clay, and other basic art materials.

Drawing 1 (1010) One Credit, Block Grades 9, 10, 11, 12
 Drawing skills learned in this class will help you to not only draw and shade, but to do so creatively. You will enjoy working with a variety of drawing materials including ebony, pencil, charcoal, ink, colored pencil, and pastel. You will also use a variety of papers to create both realistic drawings and drawings using creative features.

Drawing 2 (1020) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Drawing 1
 You will use your Drawing 1 skills to create drawings that will give you more confidence in your drawing ability. You will create drawings on a more personal level. You will explore a variety of drawing materials. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 133 (3 credits)**

Painting 1 (1070) One Credit, Block Grades 9, 10, 11, 12
 This is a beginning course in painting techniques using watercolor and acrylic paints. You will learn how to effectively use color, explore your style, and use the skills of an artist to complete paintings.

Painting 2 (1080) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Painting 1
 This course is designed to expand your painting skills. You will have the opportunity to paint a variety of subject matters and experience more personal input and choices in your work. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 143 (3 credits)**

Pottery 1 (1050) One Credit, Block Grades 9, 10, 11, 12
In this class you will learn to make and decorate clay pottery pieces. You will learn a variety of hand-building techniques as well as experience throwing pottery on the wheel. Your work will ultimately be glazed and fired.

Pottery 2 (1060) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Pottery 1, ability to construct in slab, coil and wheel methods.
You will use the skills you learned in Pottery 1 to make a variety of new pieces. Work will be both hand-built and wheel-thrown. You will explore new decorating techniques and glazes. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit.**
DMACC Course ART 173 (3 credits)

Pottery 3 (1065) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Pottery 2, ability to work independently in hand built and wheel construction.
You will refine your pottery-making skills both on the wheel and in making hand-built pottery. You will be challenged to design and create using your advanced pottery skills with the opportunity to use new techniques and specialized glazes and firing techniques. **This course is offered for concurrent credit.**
DMACC Course ART 174 (3 credits)

Mixed Media 1 (1030) One Credit, Block Grades 9, 10, 11, 12
You will make a variety of projects which may include silk (resist) dye, glass etching, printing, collage, and Ukrainian eggs. You'll also learn to make original designs and use those designs to create this variety of art projects.

Mixed Media 2 (1040) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Mixed Media 1, must be able to generate independent ideas and take them from a plan to a finished project.
Using your Mixed Media 1 skills you will explore new projects such as handmade books and collages and use new skills such as cutting and shaping glass and tile to make stepping stones and mosaics. You will use special colored glass for fusing to make jewelry and other projects. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit.**
DMACC Course ART 195 (3 credits)

Jewelry 1 (1090) One Credit, Block Grades 9, 10, 11, 12
In this class you will be designing and constructing your own jewelry pieces. You will have the opportunity to construct rings, pendants, necklaces, key chains, and other forms of wearable art. Construction will include metals such as nickel silver, brass, copper, nu-gold, beads, stones, and all kinds of found and re-purposed items.

Jewelry 2 (1100) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Jewelry 1
This course will give you the opportunity to learn more techniques to create jewelry and small art objects. You will be able to combine techniques from Jewelry 1 with new processes and materials. Students must be able to work independently in this and other upper level classes.

3-D Art 1 (1110) One Credit, Block Grades 9, 10, 11, 12
You will create dimensional art work that is meant to be viewed from more than one side, whether it will hang on the wall or be free-standing. Some of the techniques are commonly called sculpture or relief work. You will work with clay, paper, found objects, cement, wood, and other materials. One of the favorite projects is a 3-dimensional image of head and shoulders created from clay.

3-D Art 2 (1120) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: 3-D Art 1
You will design and make a variety of dimensional projects, some using the influence of famous artists while others will focus on materials and styles current to the art scene. You may choose to create and work independently on smaller works or on larger and more complicated projects. You may work with the materials used in 3-D Art 1 as well as materials such as glass, modeling clays, and even paper maché, plaster, or polyform. Students must be able to work independently in this and other upper level classes.

BUSINESS CLASSES

Seize the opportunity to learn business skills and gain knowledge for your personal life and professional career. Whether you're joining the workforce or continuing onto college, we have a business class for you!



Join our student organization!

DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management. Visit www.cardinaldeca.org & www.deca.org for more information.

BUSINESS COURSES	College Credit?	9th Grade	10th Grade	11th Grade	12th Grade
Introduction to Business		★	★		
Basic Keyboarding		★	★		
Keyboarding		★	★	★	★
Computer Applications DMACC Credit!	Yes! DMACC		★	★	★
Advanced Computer App. Independent Study			★	★	★
Accounting			★	★	★
Personal Finance			★	★	★
Marketing			★	★	★
Management				★	★
Business Law				★	★
International Business				★	★
Advanced Accounting Independent Study				★	★
Entrepreneur/DECA 3 University of Iowa Credits!	Yes! U of Iowa			★	★
Business Administration DMACC Career Academy	Yes! DMACC			★	★
Business Work Experience				★	★
FLEDGE Innovator 3 University of Iowa Credits!	Yes! U of Iowa			★	★
Cardinal Internship				★	★

Introduction to Business (1230) One Credit, Half Block Grades 9, 10

Your “class team” will operate a business within the classroom. Units include: Economic Systems • Entrepreneurship • Ownership • Macro Economics • Marketing • Management • Accounting • Law • Personal Finance

Basic Keyboarding (1200) One Credit, Half Block Grades 9, 10

Is your typing speed less than 20 words per minute? Do you look at your hands as you type? If so, you can improve your typing technique and increase your keying speed in this class! You will also use Email, Microsoft Word, and Excel to format these documents: Memos • Letters • Reports • Tables • Spreadsheets • Charts • And More!

Keyboarding (1210) One Credit, Half Block Grades 9, 10, 11, 12

Have you mastered good typing technique, but would like to expand your skills? After a brief review of the keyboard, you will use Email, Microsoft Word, and Excel Software to format these documents: Memos • Letters • Reports • Lists • Outlines • Tables • Spreadsheets • Charts • And More!

Computer Applications (1220) One Credit, Half Block Grades 10, 11, 12

Earn 3 college credits. DMACC Course BCA 212 taught at NHS
Prerequisite: Basic Keyboarding, Keyboarding, or Instructor Approval

Use Microsoft Office 13 to enhance your word processing, database, spreadsheet, and presentation software skills.

- Microsoft Word: MLA Research Papers • Promotional Fliers • Company Letter Head • Tables
- Excel: Worksheets • Embedded Charts • Formulas • Functions • Formatting • What-If Analysis
- Access: Databases • Objects • Queries
- PowerPoint: Clip Art • Pictures • Shapes • Word Art • Media

Advanced Computer App. (1500) One Credit, Half Block Grades 10, 11, 12

Prerequisite: Computer Applications

Continue your in-depth study of the Microsoft Office 10 program; NHS credit only

- Microsoft Word: Newsletters • Mailing Labels • Specialty Tools
- Excel: Hyperlinks • Schedules • Lists • Templates • Other Projects
- Access: Expanded Uses for Databases
- PowerPoint: Enhanced Presentations

Accounting (1261, 1262) Two Credits, Half Block Grades 10, 11, 12

What is a balance sheet and an income statement? Gain a financial understanding of accounting principles and business operations: Computerized Accounting • Simulations • Excel Software • Analyze Transactions • Journalize Entries • Prepare Financial Reports for Small Businesses and Corporations

Advanced Accounting (1270) Two Credits, Half Block Grades 11, 12

Prerequisite: Accounting

Advance your accounting knowledge! Improve your financial decision making and incorporate technology for: Adjustments • Budgeting Procedures • Departmental Accounting • Cost Accounting • Corporate and Partnership Financing

Personal Finance (1291, 1292) Two Credits, Half Block Grades 10, 11, 12

Engage in these consumer economic experiences:

Semester 1 (1291)	Semester 2 (1292)
Getting a job	Consumer protection
Budgeting	Using and building credit
Understanding paycheck deductions	Buying, financing, and insuring a car
Check writing	Filing an income tax return
Savings and investment accounts	Housing
	Life insurance
	Wills and funerals

Marketing (1330) One Credit, Half Block Grades 10, 11, 12
This course is a pre- or co-requisite for the Entrepreneur/DECA class

What do Apple and Nike have in common? Innovative marketing strategies! Learn how to identify and reach your customers through: Selling • Traditional Media Advertising • Social Media Promotions • Publicity • Public Relations • Branding • Sales Promotions • Positioning • Junior Achievement Speakers

Management (1310) One Credit, Half Block Grades 11, 12

What motivates employees to do a good job in the workplace? Acquire a broad overview of the necessary skills needed to manage a business! Learn about: The Free Enterprise System • Forms of Ownership • Four Functions of Management • Communications • Business Insurance • Marketing Management • Managing Human Resources. You'll also take part in our annual food-drive project!

Business Law (1320) One Credit, Half Block Grades 11, 12

Order in the court! Learn the importance of laws, their effect on society, and how they relate to business and the individual. Learn the basics of: Criminal and Civil Law • Contract Law • Student Rights and Responsibilities • Wills and Inheritance • Basic Property Laws

International Business (1450) One Credit, Half Block Grades 11, 12

要我帮忙吗? How do customs and business practices vary throughout the world? Use current events to discover the challenges and opportunities in a global marketplace. Gain an appreciation for the knowledge needed to live, work, compete, and thrive in a world economy!

Entrepreneur I & II (1351, 1352) Two Credits, Half Block Grades 11, 12

Earn 3 Transferable Credits from the University of Iowa. Take one semester or both.

Prerequisite or Co-requisite: Marketing or Management

ENTREPRENEUR



Be a business innovator & earn college credit!
Take a business idea from concept to market.
No ideas? No problem! We'll work on it.

Business Speakers • Innovation • Ownership & Franchising • Supply Chain • Pricing • Market Research • Product Development • Business Canvas • Website Design • Leadership • Superfan Sales • Shark Tank Analysis • Virtual Retail Game • School Store Operations • DECA Preparations

- Entrepreneur class is the “heart” of Newton DECA
- DECA is a club that prepares emerging leaders and entrepreneurs
- Elect Officers, Network, Organize Sales & Community Projects, Attend Leadership Conferences & Competitions
- Visit www.cardinaldeca.org for more info

At the end of the class, students will take a U of I written exam. To receive the college credit, students must score 70% or higher on the exam. Students who pass the U of I written exam have the option to purchase the 3 U of I credits for \$150 which can be transferred to the university or college of their choice otherwise students will receive two NHS credits.

Business Administration (0803, 0804) Block PLUS Grades 11, 12

This is a DMACC ACADEMY program; 5 Credits

This program provides a foundation of business-related courses that will prepare students for entrance into a multitude of business programs at post-secondary institutions. Components include: Introduction to Business • Business Law • Accounting • Macro Economics • Personal Finance • Study Strategies

READ ON!

Partnership Programs Explained on the Next Page...

PARTNERSHIP PROGRAMS

Business Work Experience (1361, 1362) Two Credits, Half Block Grades 11, 12
Prerequisite or Co-requisite: Entrepreneur Class

Get a school credit for working! Work a job in a customer service field to receive credit each semester for your on-the-job experience. You may keep a job that you already have or apply for a new position. Your job can be during the school day, evenings, or weekends. Your school coordinator and employer will work together to provide guidance and assistance.

FLEDGE Innovator (1390) Two NHS Credits 1 Block for 2 Terms Grades 11, 12
Earn 3 Transferable Credits from the University of Iowa in Entry-Level Engineering or Entrepreneurship

Prerequisites: Application, 95% Attendance rate, 2.0 Cumulative GPA

- Supports STEM Initiatives (Science/Technology/Engineering/Math)
- Apply creativity and innovation for solutions to local problems by working in a student team on projects with mentors from local businesses. FLEDGE provides a learning environment designed to foster development of entrepreneurial thinking and leadership skills through strategic development and execution.
- *At the end of the class, students will take a U of I written exam. To receive the college credit, students must score 70% or higher on the exam. Students must also submit all FLEDGE Innovation Portfolio materials and pass all items. After the test, each student decides if they'd like to receive the three U of I credits and pay a \$150 course fee; otherwise students will receive two NHS credits.*

Cardinal Internship (1381, 1382, 1383, 1384) One Credit, Block Grades 11, 12

Participate in a career exploration in the field of your choice. Work with local employers to fully engage and participate in the daily operations of the work place. Gain valuable insight and experience in your chosen field through the internship experience. A short orientation will be completed the first week of internship. Students will provide their own transportation to the worksite.

Shadow Break Internship (1371 Winter, 1372 Spring) Half Credit, Block Grades 11, 12
Prerequisites: Application, 95% Attendance rate, 2.0 Cumulative GPA

Job shadow in the field of your choice over winter or spring break. Work with local employers to fully engage and participate in the daily operations of the work place. A short orientation will be completed prior to shadowing. Thirty hours is required to earn the half credit. Students will provide their own transportation to the worksite.

FAMILY AND CONSUMER SCIENCE

Family and Consumer Science classes develop skills that will be used in personal life, at home, and on the job. The courses are designed to assist the student in the development of attitudes, appreciations, understandings, and techniques necessary for these skills.

Because each person's contributions to society depends heavily on early family experiences, education for home and family life is offered to all students, both boys and girls, during their high school career. Regardless of interests, intelligence, or background, a person's success, satisfactions, and growth toward maturity will depend largely upon his/her ability to relate to others, to set realistic personal goals, and to manage resources. Ultimately, Family and Consumer Science classes prepare students for a more satisfying life.

Graduation Requirement: One credit in Health
Articulated Courses: Early Childhood Occupations

Family and Consumer Science Courses

Human Services

Sewing and You 9

Child Development

Parenting Skills

Adult Living

Health

Early Childhood
Occupations / Work
Experience
DMACC Credit

DMACC Health
Occupations

DMACC Certified
Nurse Aide Training

Hospitality/Tourism

Careers/Foods 9

Foods 1

Foods 2

DMACC Culinary
Arts

Arts, AV, Technology, and Communication

Sewing and You 9

Project Runway:
Sewing 1

Project Runway:
Sewing 2

Project Runway:
Fashion

Housing and
Interior Design

HUMAN SERVICES

Sewing and You 9 (3410) One Credit, Block Grade 9

Let's start sewing and learning about you. Topics covered will be: fashion terms, history of fashion, clothing and its quality, sharpening your sewing skills, complete a sewing project, personal growth, respecting friends, relationships, STD's, and pregnancy.

Child Development (3800) One Credit, Half Block Grades 10, 11, 12

Are children in your future? Child Development will build a positive understanding of children's growth and development from conception to age six. Students will learn the theories of development and growth as well as techniques to use when working with children through class activities, presentations, discussions and DVDs. Creating a children's texture book, puppets and games will enhance their knowledge and experiences .

Parenting Skills (3610) One Credit, Block Grades 10, 11, 12

Parenting may be the hardest job you will ever have if you choose to have children. Parenting requires a variety of skills such as communication, decision-making, discipline, listening, sacrificing, handling your emotions and your children's, managing your resources, and being a healthy role model. This course will help develop those skills and more. This may be the first and last education you receive about such an important job as "Parenting."

Adult Living (3750) One Credit, Block Grades 11, 12

Ready to move out and be on your own!!! This class will help you look at some of the issues you will be faced with. Topics covered will be: the challenges of moving away from home (supplies for a home, dealing with neighbors, car maintenance), care/management of an apartment (safety, clothing care/sewing repairs), employment for you, decisions people have to make, communication, relationships with others, choosing a mate, marriage, establishing a family, and challenges in a family.

Health (3600) One Credit, Half Block Grades 9, 10, 11, 12

Prevention and knowledge about health care is the key component of the Health class. Many topics applying to your future life will be covered as the semester progresses. Various activities, projects, and speakers will bring the topics to life as information is explored. **Take care of yourself and be informed!**

Students whose religious beliefs conflict with Physical Education or Health instruction may be excused through a written request submitted to the Principal. (Board Policy 602.11) Parents who object to health education instruction in human growth and development may file a written request that the pupil be excused from the instruction. (Board Policy 602.12) This is a class that covers many topics regarding health issues students will face in the future. Before making a request, carefully consider the importance of taking this class versus never having the information. The information in this class is critical for all students.

Early Childhood Occupations (3831, 3832) Two Credits, Half Block Grade 12

Child Occupations Work Experience (3841, 3842) Two Credits, Block Grade 12

Prerequisites: Child Development is desirable; Complete Application; Instructor Approval

Early Childhood Occupations is a course at the high school and a field-based internship in a preschool, elementary or middle school setting. The students will apply their knowledge of child development to the principles of effective teaching practices while building professional job skills. Students will learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, and complete other responsibilities of teacher while on the job site. **This class would provide great experiences for students who are interested in elementary education, preschool or day care, handicapped children, nursing, social work, or just have a strong interest in working with children.**

Preference for selection will be given to those with (1) a strong interest in children, (2) a positive attitude, and (3) attendance. This class can be taken for first semester and/or second semester. Early Childhood Occupations students will be working with children at job sites on a non-paid basis. **Students will provide their own transportation to job sites.**

DMACC Credit SDV 212/222 and or SDV212/223(5 credits for full program)

Health Occupations (0301, 0302) Five Credits, Block PLUS Grades 11, 12

Prerequisite: Health, Applied Biology, or Biology

This is a DMACC ACADEMY offering. Students must register for the full year. This year-long program will provide students the opportunity to explore careers in health care and work toward CNA training. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings. *****Course requires extended clinical sessions in evenings and/or weekends. Times: 7:30-9:30AM and 1:15-3:15PM**

Certified Nurse Aide Training (0303, 0304) 2.5 Credits, Block PLUS Grades 11, 12

Prerequisite: Health, Applied Biology, or Biology

This is a DMACC ACADEMY offering. Students may take only the Nurse Aide 75 hours class if they so choose. This is a semester-long certification program for students interested in becoming a CNA. Six DMACC credits are available upon completion of all DMACC Career Academy course offerings. *****Course requires extended clinical sessions on evenings and/or weekends. Times: TBA**

HOSPITALITY/TOURISM

Careers/Foods 9 (3420) One Credit, Block Grade 9

Wanting to develop your skills in food knowledge and preparation with additional information about career work ethics and work habits? **This is the course to take!!** Getting ready for the food service career areas and establishing good work ethics will be studied, along with many hands-on activities concerning food preparation, nutrition, food safety, time management, and kitchen upkeep. A lab fee will be associated with this course.

Foods 1 (3480) One Credit, Block Grades 10, 11, 12

Would you like to make a variety of pastas, fruit pizza, ice cream, pretzels, and Chinese & Mexican dinners? Then join us in Foods 1 as we explore many different food favorites. This class will give students a chance to learn basic food preparation skills that will last a lifetime. Time will be spent in cooking labs preparing a wide variety of foods. Emphasis will be given to healthy eating and making wise food choices as well as time management, recipe skills, food safety and possible careers in food service. Students will also discover how new information and research can have an effect on personal wellness. A lab fee will be associated with this course.

Foods 2 (3490) One Credit, Block Grades 10, 11, 12

Prerequisite: Foods 1

Does making delicious appetizers, soups, salads, cakes, pies, cookies, and breads sound fun to you? How about learning to cook fish, seafood, and chicken as well as reception planning? Then join us for Foods 2. Food is an integral part of everyone's life. Baking and cooking can be a source of security, pride, and enjoyment. This class will help students develop an aesthetic appreciation for food while refining skills in food preparation, recipe reading, and working with others. Students will be developing skills for everyday use or for a future in the food industry. A lab fee will be associated with this course.

Culinary Arts (0401, 0402 – Year One) Five Credits, Block PLUS Grades 11, 12
(0411, 0412 – Year Two)

Prerequisites: Foods 1, Foods 2

This is a DMACC ACADEMY offering. Students must register for the full year. Through hands-on experience, students are introduced to the scientific principles used in food preparation, the hospitality industry, and the fundamentals of dining and sanitation. Twenty-two DMACC credits are available upon completion of all DMACC Career Academy course offerings. **Times: 7:30-9:30AM**

ARTS, AV, TECHNOLOGY, AND COMMUNICATION

Sewing and You 9 (3410) One Credit, Block Grade 9

Let's start sewing and learning about you. Topics covered will be: fashion terms, history of fashion, clothing and its quality, sharpening your sewing skills, complete a sewing project, personal growth, respecting friends, relationships, STD's, and pregnancy.

Project Runway: Sewing 1 (3710) One Credit, Half Block Grades 10, 11, 12
Sewing, the great “hands on” skill that is coming back!! Learn the basics about textiles, basic sewing, fashion sewing, crafts, and quilting. Just take a look at all of the sites online that use basic sewing skills.

Project Runway: Sewing 2 (3720) One Credit, Half Block Grades 11, 12
Prerequisite: Project Runway: Sewing 1
Work on perfecting those sewing skills!! You will be continuing your sewing with projects of your choice plus work on basic alteration skills.

Project Runway: Fashion (3700) One Credit, Block Grades 10, 11, 12
Discover the process fashions take from design to your closet. This course explores design, advertising, visual merchandising, textiles and garment parts, design writing, and careers relating to fashion. Designers and fashions of the past are also explored.

Housing/Interior Design (3660) One Credit, Block Grades 10, 11, 12
Housing and Interior Design is a class which you will learn everything from housing styles and basic construction to interior design. You will be looking at your community in a very different perspective after taking this class, plus you will be gathering ideas for that future apartment or home.

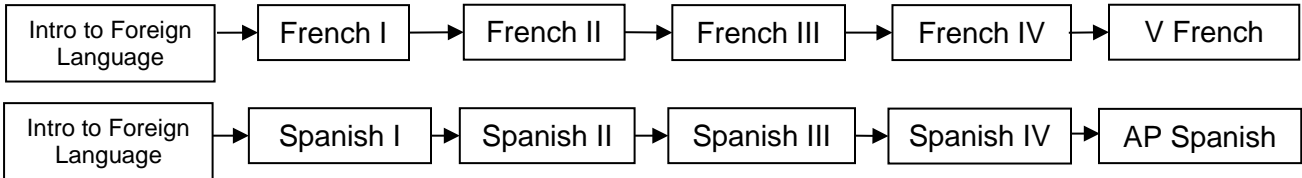
FOREIGN LANGUAGE

Foreign Language classes concentrate on developing skills in five areas: speaking, listening, writing, reading, and culture. Active participation and academic integrity as well as practice through homework are mainstays of the program. The study of culture includes the customs, belief, habits, history and arts of the people and countries of the target language. Respect for cultural differences is paramount.

IT IS HIGHLY RECOMMENDED THAT STUDENTS DEMONSTRATE PROFICIENCY ON THE READING PORTION OF THE IA ASSESSMENTS OR PASS FRESHMAN ENGLISH BEFORE ENROLLING IN A FOREIGN LANGUAGE. Our experience has shown that students who do not meet these criteria tend to have more difficulty with Foreign Language—especially as a freshman. Intro to Foreign Language is recommended to help these students prepare for successful study of Spanish I or French I.

IT IS RECOMMENDED THAT STUDENTS EARN A GRADE OF C OR BETTER IN PREREQUISITE COURSES BEFORE MOVING ON.

Foreign Language



Introduction to Foreign Language (3100) One Credit, Half Block Grades 9, 10, 11, 12
 This course will provide a basic introduction to Foreign Language. It will focus on the underlying principles and concepts that are common to French and Spanish. Students will perfect study skills specific to Foreign Language by learning basic phrases and cultures of each language. This is an effective bridge course for students who feel unprepared to enter level one language.

French I (3111, 3112) Two Credits, Half Block Grades 9, 10, 11, 12
Spanish I (3211,3212)
 These courses introduce students to the language and culture of French or Spanish. Students will work to build basic vocabulary and structure to facilitate communication.

French II (3121,3122) Two Credits, Half Block Grades 10, 11, 12
Spanish II (3221,3222)
Prerequisites: French I or Spanish I respectively with a Grade of C or higher
 As a continuation of the foreign language program of study, the second course allows students to hone their language skills. Students will use their skills and vocabulary from level 1 to build their vocabulary as well as learn more advanced grammar structures.

French III (3130) Two Credits, Block Grades 10, 11, 12
Spanish III (3230) Two Credits, Block Grades 10, 11, 12
Prerequisites: French II or Spanish II respectively with a Grade of C or higher
 During the third course in a foreign language, students will begin to develop more refined language skills. More in-depth culture studies will be included. Students will begin to learn the nuances of language as well as more advanced structures and specialized vocabulary. **French III offered for college credit to those in grades 11 and 12. DMACC Course FLF 241 (4 credits)**

<u>French IV</u> (3140)	Two Credits, Block	Grades 10, 11, 12
<u>Spanish IV</u> (3240)	Two Credits, Block	Grades 10, 11, 12

Prerequisites: French III or Spanish III respectively with a Grade of C or higher

As the culmination of the foreign language program, heavy emphasis will be placed on the use of the language through participation in class activities. Students will be expected to apply their language skills to a variety of situations. This course is literature-based and students will be using authentic texts to improve their skills and vocabulary. **French IV offered for college credit to those in grades 11 and 12. DMACC Course FLF 242 (4 credits).**

<u>Advanced Placement French</u> (3151, 3152)	Two Credits, Half Block	Grade 12
<u>Advanced Placement Spanish</u> (3251, 3252)	Two Credits, Half Block	Grade 12

Prerequisites: French IV or Spanish IV respectively

The AP class provides students with opportunities to develop language across the three modes of communication: Interpretive, Interpersonal, and Presentational. Students learn about the culture through their use of authentic materials representative of the French or Spanish-speaking world. Materials include a variety of different media including journals, literature, podcasts, interviews, movies, charts, and graphs. The AP class is a language acquisition course designed to provide language and cultural understanding of the French or Spanish-speaking world. Therefore, it is an immersion experience requiring almost exclusive use of the language, a requirement which class participation grades reflect an honest effort to use the language. AP Spanish Students will be prepared to take the AP test if they chose to do so. **AP Spanish offered for college credit to those in grade 12. DMACC course FLS 242 (4 credits).**

GUIDANCE

Your assigned counselor will assist you and your parents in preparing your individual program of studies throughout your four years at Newton High School. Prior to registration you should carefully review your planned program to be certain it best meets your goals and aspirations.

Guidance and Related Courses

Success 1 (1811, 1812)	Two Credits, Half Block	Grade 9
Success 2 (1821, 1822)	Two Credits, Half Block	Grade 10

Prerequisite: Counselor Recommendation

The Success class is designed to assist at-risk students in assessing their interests and abilities as well as developing their self-esteem, study skills, and career awareness. This class is part of a more comprehensive program to enable selected students to improve their attendance, to succeed in high school, and eventually succeed in future careers.

Students will be identified through a selection process. Selected students will meet with a counselor three days per cycle and work with teachers in a help/tutoring session three days per cycle.

Success Group (1851, 1852)	Two Credits, Half Block	Grades 11, 12
-----------------------------------	-------------------------	---------------

Prerequisite: Success Teacher Recommendation

A Success Group will be arranged for students previously in Success class, who are returning dropouts, or who would benefit from additional support activities.

English Language Learner (ELL) (2931, 2932)	Two Credits, Half Block	Grades 9, 10, 11, 12
--	-------------------------	----------------------

Prerequisite: Non-English Speaking

Students who have a language other than English as their native language may qualify for ELL services. Testing is required prior to admission to determine placement. English credit is awarded. Contact your counselor for additional information.

Teacher Academy (0311, 0312)	Five Credits, Block PLUS	Grades 11, 12
-------------------------------------	--------------------------	---------------

Prerequisite: Child Development

This is a DMACC ACADEMY offering. Students must register for the full year. The Teacher Academy provides students with an opportunity to explore education-related professions and take part in real-life teaching experiences. Students will spend 120 hours shadowing elementary- and secondary-school personnel during portions of their assigned class time. Courses fulfill Level I Field Experience requirement at many four-year colleges. **Times: 7:30-9:30AM**

Career & College Planning (1900)	One Credit (Online; one semester)	Grade 11
---	-----------------------------------	----------

This course is designed for juniors who aren't sure what their next step is after high school. Apprenticeship? Community College? Trade School? Four Year College? Who Knows?!? Students will utilize various information sources including personality assessments, interest inventories, aptitude tests, achievement scores, work values, and current labor market trends to determine appropriate career paths. Students will learn about various post-secondary opportunities and college paths to pursue their career goals. Additionally, students will gain knowledge of admission requirements, applications, and financial planning appropriate to their college and career paths. This course must be completed within one semester.

INDUSTRIAL TECHNOLOGY

Newton High School Industrial Technology programs provide students with practical experiences in material processing, project planning, and problem solving activities. These activities replicate entry level experiences in many industry related occupations and are a valuable asset in beginning technology careers.

While gaining experience in course activities, students begin to develop an appreciation for skills and attitudes required to succeed in selected careers. These skills and attitudes are easily transferred from career to career making it easy for an individual to be successful in any job they may choose.

The course subject matter provides students with both content related experiences and practical experiences that reinforce high school core courses. The experience and knowledge gained is part of the overall educational experience in compliance with the school board statement of philosophy and provides a foundation that will help in selecting a life's work.

Student grades will be based upon competency standards established for performance and knowledge related to the subject. Students completing the suggested courses in a program are eligible to receive an Industrial Technology Certificate.

Articulated Courses: Mechanical Drafting 1 & 2, Woodworking, Advanced Woodworking, Power Technology, Automotive Technology (see page 8)

Industrial Technology Programs & Related Courses

Programs	Construction Technology	Manufacturing Technology	Engineering Technology	Service Technology			
Intro Courses	Introduction to Woodworking Materials and Processes Introduction to Engineering Design						
Suggested Courses	Home Repair General Woodworking Architectural Drafting Building Trades DCA	Woodworking CAD Advanced Woodworking	Metals CAD Mechanical Drafting 1 Advanced Metals	CAD or IED Mechanical Drafting 1 or POE Metals Mechanical Drafting 2	CAD Architectural Drafting Building Trades DCA	CAD	Power Technology Metals Automotive Technology
Career Areas	Building Trades	Wood Trades	Machine Trades	Engineering Technology	Architecture	Electrical Trades	Automotive Trades

Refer to the individual course descriptions for grade level and prerequisite information.

Introduction to Woodworking (4010) One Credit, Half Block Grade 9
 This course introduces students to many of Newton High School's Industrial Technology Programs. The activities completed during this course will enable students to learn the concepts and techniques used in basic woodworking and fundamental racing design. Activities will focus on safety, proper use of hand tools and power equipment, plan reading, project completion, and career opportunities. All machine and tool safety assessments will be passed with 100% accuracy by all students. It is recommended that students interested in pursuing higher level industrial technology courses take this course as a freshman. Sophomores may be considered, but must have prior instructor approval.

Materials and Processes (4020) One Credit, Half Block Grade 9
This course introduces students to Newton High School's Industrial Technology programs. Activities in the class will be varied and introduce students to multiple materials and processes used in modern manufacturing. Students will develop skills to be used in multiple classes in the Industrial Technology program. Activities will focus on four basic areas: print reading, layout, metalworking, and plastics.

Computer Aided Drafting (CAD) (4070) One Credit, Half Block Grades 9, 10, 11, 12
This introductory course enables students to learn basic commands and drawing techniques used to create working drawings on a computer. Some activities may include multi-view drawings, dimensioning techniques, and common graphic symbols. The course is a prerequisite for Mechanical and Architectural Drafting.

Mechanical Drafting 1 (4080) One Credit, Half Block Grades 10, 11, 12
Prerequisite: Computer Aided Drafting
This course enables students to learn mechanical drafting concepts and its language. Students will have experiences that may include graphic symbols, geometric construction, sketching, multi-view drawings, orthographic projection, pictorial drawings, basic dimensioning, sectioning, and auxiliary views. All activities will include traditional and CAD techniques to produce working drawings.

Mechanical Drafting 2 (4090) One Credit, Half Block Grades 10, 11, 12
Prerequisite: Mechanical Drafting 1
This course enables students to learn basic drafting techniques and extends their knowledge in descriptive geometry, revolutions, assembly drawings, sheet metal layout, advanced dimensioning procedures, and machining processes. Other activities will include CAD generated 3D modeling. All activities will include traditional and CAD techniques to produce working drawings.

Architectural Drafting (4100) One Credit, Half Block Grades 10, 11, 12
Prerequisite: Computer Aided Drafting
This course enables students to learn basic room planning, architectural symbols, architectural language and architectural plans needed to build a residence. Activities will include traditional drafting skills and computer research. Field trips may be taken to experience various architectural designs and construction techniques.

Metals (4140) Two Credits, Block Grades 10, 11, 12
This course enables students to learn basic metal fabrication processes. Activities may include shop safety, precision measurement, layout, basic machine processes, forging, welding, and CNC programming. Students are required to complete projects that demonstrate their knowledge of learned processes.

Advanced Metals (4150) Two Credits, Block Grades 11, 12
Prerequisite: Metals
This course enables students to expand their knowledge and techniques in metal fabrication. Activities may include advanced machine processes, foundry processes, welding, and CNC programming and machining. Students are required to complete projects that demonstrate their knowledge of learned processes.

Power Technology (4160) Two Credits, Block Grades 10, 11, 12
The completion of Materials and Processes is strongly recommended before taking Power Technology.
This course enables students to learn how energy and power is used in industry, through the study of energy production, transportation systems, power systems, and robotics. Activities may include designing and testing vehicles, analyzing and repairing small engines, and constructing robotic arms. Students are required to complete projects that demonstrate their knowledge of learned theories. This course is a prerequisite for Automotive Technology and it is suggested for anyone intending to pursue a career in engineering or maintenance.

Automotive Technology (4180) Two Credits, Block Grades 11, 12

Prerequisite: Power Technology

This course enables students to learn a wide range of topics related to the automotive industry. Emphasis is placed on automotive systems theory, basic maintenance, and troubleshooting techniques. Activities include servicing, maintaining, and repairing the students' vehicles. Students are required to complete activities that demonstrate their knowledge of learned theories and processes.

General Woodworking (4200) Two Credits, Block Grades 10, 11, 12

This course enables students to learn basic woodworking techniques, types of materials, and processes used to produce a product. Students will also learn how to use basic woodworking tools and power equipment. Activities will include producing projects that use the techniques taught in the class. Students are required to build teacher-selected projects that relate to techniques taught in the class. All students will pass machine safety assessments with 100% accuracy.

Home Repair (4040) One Credit, Half Block Grades 10, 11, 12

This course provides students with knowledge and skills to repairs the systems found in the home. Students who want a basic knowledge and understanding of useful skills for owning a home should take this course. This class will provide students common sense skills to make them handier at home. Course content may include electrical wiring, plumbing, window and door repair and installation, wall and floor repair and finishing, furniture repair and finishing, and small appliance repair.

Advanced Woodworking (4210) Two Credits, Block Grades 11, 12

Prerequisite: General Woodworking

This course enables students to learn advanced woodworking techniques, types of materials, and processes used to produce finely-crafted wood products. Students will also learn how to use specialized woodworking tools and power equipment. Activities will include producing projects that use the techniques taught in the class, class trips, and career areas. Students will be required to plan and build their own individual project. This will be reviewed and approved with the instructor. All machine and tool safety assessments will be passed with 100% accuracy by all students. Students will procure all materials for their individual projects. Site visits to local businesses may be included.

Automotive Collision (0001, 0002 – Year One) Five Credits, Block PLUS Grades 11, 12

Prerequisites: Power Technology, Auto Technology

This is a DMACC ACADEMY offering. Students must register for the full year. This program introduces students to the highly technological industry of Auto Collision and Repair. Students will gain experience in the areas of basic shop operations and procedures, welding, painting, and shop safety. Fifteen DMACC credits are available upon completion of all DMACC Career Academy offerings. **Times: 7:30-9:30AM or 1:15-3:15PM**

Building Trades/Finish Carpentry (0005, 0006 – Year One) Five Credits, Block PLUS Grades 11, 12
(0015, 0016 – Year Two)

Prerequisites: Woodworking, one industrial tech elective

This is a DMACC ACADEMY offering. Students must register for the full year. This program allows students to engage in experiential learning in the areas of Construction and/or Carpentry. Twenty-one DMACC credits are available upon completion of all DMACC Career Academy course offerings. Transportation to job site is required. **Times: 7:30-9:30AM or 1:15-3:15PM**

Welding (0101, 0102 – Year One) (0103, 0104 – Year Two) Five Credits, Block PLUS Grades 11, 12

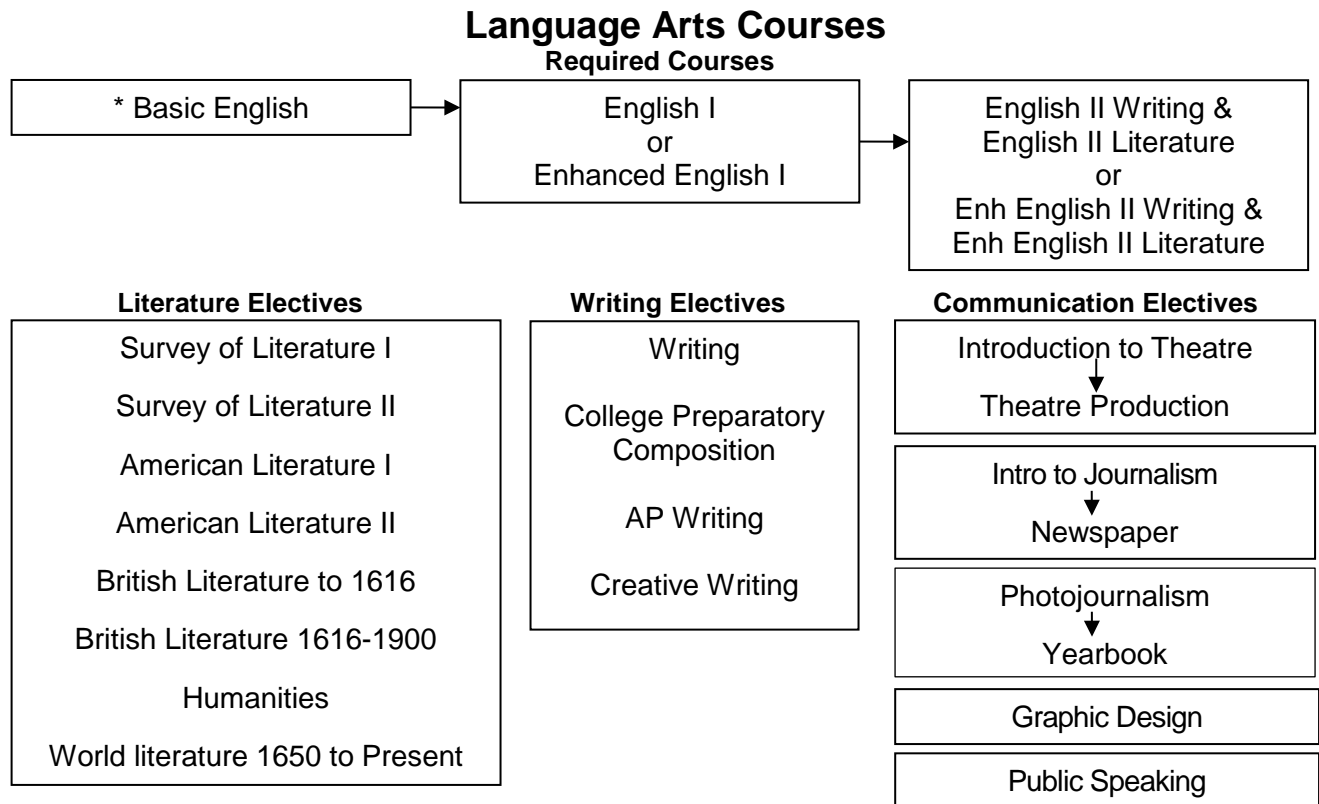
Prerequisites: Metals and Advanced Metals

This is a DMACC ACADEMY offering. Students must register for the full year. Students will learn the trade of welding. This program will be scheduled as interest demands. **Times: To be determined**

LANGUAGE ARTS

The basis of all human existence is communication. The Language Arts Department emphasizes comprehension of the written word, writing and speaking with clarity and accuracy, logical and creative thinking, and acting. Aesthetic appreciation of traditional Western values is emphasized during reading, discussing, and writing. Our goal for students is for each student to be a successful communicator in any vocational choice. All classes, professions, or jobs are affected by the student's mastery of the English Language. It is the vital link between ourselves and others in sharing information.

Graduation Requirements: Eight credits including Basic English and/or English I or Enhanced English I, English II or Enhanced English II, a Literature Elective, and a Writing Elective.



* Not Required for Proficient Readers

Basic English (2281, 2282)

Two Credits, Half Block

Grade 9

Prerequisite: Incoming Freshmen that have been identified as non-proficient readers by two separate assessments.

Reading is the most important skill needed for success in high school classes and adult life. Basic English has been designed specifically for non-proficient readers to improve their reading skills. Major strands of the program will include speaking/listening, phonology, phonemic awareness, phonics, word recognition, and reading comprehension. In addition, students study punctuation, capitalization, spelling, composition, literature, and correct use of words in sentences. During first semester, students will also study the mechanics for writing the research paper. A variety of literary types is read during both semesters. Students will also prepare and deliver two speech presentations.

English I (2311, 2312)

Two Credits, Half Block

Grades 9, 10, 11, 12

Ninth grade English students study punctuation, capitalization, spelling, composition, literature, and correct use of words in sentences. In addition, during first semester, students study the mechanics for writing the research paper. A variety of literary types is read during both semesters. Students must meet all research paper unit requirements to pass English I. Students will also prepare and deliver two speech presentations.

Enhanced English I (2320) Two Credits, Block Grade 9
Enhanced English I is designed for the student who is interested in an in-depth study of English. This is a building block for Advanced Placement Writing and Advanced Placement Literature. Although the course is designed for students who have done well in IA Assessments, it is open to all freshmen. Students must meet all research paper unit requirements to pass Enhanced English I. Students will also prepare and deliver two speech presentations.

English II Literature (2350) One Credit, Block Grades 10, 11, 12
Prerequisite: English I or Enhanced English I
Who am I? How do I communicate with people? How do I affect radio, television, films and other media and how am I affected by them? These are some of the questions that will be considered in the English II Literature course. The course consists of literature which includes the study of drama, novels, and mass media which includes the study of propaganda and media techniques that affect our lives.

English II Writing (2390) One Credit, Block Grades 10, 11, 12
Prerequisite: English I or Enhanced English I
Communication with people is the most important aspect of our lives. The course is designed to help students develop communication skills. Major areas of study include verbal communication, non-verbal communication, grammar and usage, correctly written sentences, and properly developed paragraphs and essays.

Enhanced English II Literature (2400) One Credit, Block Grade 10

Enhanced English II Writing (2410) One Credit, Block Grade 10

Prerequisite: English I or Enhanced English I
Enhanced English II is a continuation of the advanced literature and writing curriculum. The course emphasizes an in-depth study of world literature and of the writing process, especially the essay. Enhanced English II is designed for students who have done well on standardized tests or who have completed English I with A's and B's. Enhanced English II Literature, students will engage in both formal and informal speech presentations.

Survey of Literature I (2501) One Credit, Half Block Grades 11, 12
Prerequisite: Grade of C or lower in English II Lit

This course will exam different literary genres pulling from contemporary authors and topics. Students will explore the evolution of literary elements within the examined genres and discuss the relationship of these elements to our society. The specific genres that will be examined will be science fiction, fantasy, and horror. Although reading different types of literature is the major area of study, vocabulary, reading, and writing skills will be emphasized. Specific authors will be studied as well as specific themes in literature. This class is not accepted by four-year colleges for freshmen admission.

Survey of Literature II (2502) One Credit, Half Block Grades 11, 12
Survey of Literature II is designed to help students who are not vocational school or college bound. Although reading different types of literature is the major area of study, vocabulary, reading and writing skills will be emphasized. Specific authors will be studied as well as specific themes in literature. This class is not accepted by four-year colleges for freshmen admissions.

American Literature I (Settlement to Civil War) (2430) One Credit, Half Block Grades 11, 12
Prerequisite: Minimum IA Assessment reading score of 257 10th grade and 263 11th grade
American Literature I is a semester-long survey course covering important American authors and literary movements from the time of settlement to the beginning of Civil War. Units of study are comprised of literary selections that represent the nation's diversity in gender, ethnicity, and cultural perspective, while stressing the influence of the historical setting. Completion of the research paper to minimum standards is required to pass the course.

American Literature II (Civil War to Contemporary) (2440) One Credit, Half Block Grades 11, 12
Prerequisite: Minimum IA Assessment reading score of 257 10th grade and 263 11th grade
American Literature II is a semester-long survey course covering important American authors and literary movements from the Civil War to the contemporary authors. Using analytical process, readers can evaluate truths about the human dilemma to determine direction for their lives. Units of study are comprised of literary selections that represent the nation's diversity in gender, ethnicity, and cultural perspective, while stressing the influence of the historical setting. Completion of the research paper to minimum standards is required to pass the course.

British Literature to 1616 (2450) One Credit, Half Block Grades 11, 12

Prerequisite: English II Lit

British Literature to 1616 is a semester-long study of Great Britain's contributions to literature from the pre-Shakespeare era. It is designed for college-bound students (especially juniors who plan to enroll in Humanities or Advanced Placement Literature in their senior year). The course will also offer great opportunities in learning for students who wish to earn more credit in the study of literature.

British Literature 1616-1900 (2460) One Credit, Half Block Grades 11, 12

Prerequisite: English II Lit

British Literature 1616-1900 is a semester-long study of Great Britain's contributions to literature from the post-Shakespeare era (Restoration) to twentieth century writers. It is designed for college-bound students (especially juniors who plan to enroll in Humanities or Advanced Placement Literature in their senior year). The course will also offer great opportunities in learning for students who wish to earn more credit in the study of literature.

Writing (2560) One Credit, Block Grades 11, 12

Writing is primarily designed to give students a wide range of writing experiences plus individual guidance in basic skills as needed to maintain a consistent level of standard English. Students who need a more mature writing approach before College Preparatory Composition are advised to take this course. The entire term is a study of the writing process through paragraphs and major essays.

College Preparatory Composition (2630) One Credit, Half Block Grades 11, 12

Prerequisite: Grade of B or higher in English II Writing or take Writing and then College Preparatory Composition or Instructor Approval

College Prep Composition is designed for those students planning to attend a four-year college after graduation. The purpose of the course is to give the student an opportunity to learn by using varied structures of writing non-fiction: analytical, informal and formal essay. The major emphasis is on clarity of thought and appropriate structure for accurate communication of thought. Remedial and advanced work in grammar and usage are continuously practiced in all writing assignments. **Offered for college credit.**

DMACC Course ENG 105 (3 credits)

Advanced Placement Writing (2660) Two Credits, Block Grades 11, 12

Prerequisites: College Preparatory Composition or Enhanced English II Writing with a B or higher and Minimum IA Assessment reading score of 307 10th grade and 313 11th grade

Advanced Placement Writing is designed for students who are motivated to further develop their composition skills and to earn college credit through Advanced Placement Testing. Students will advance analytical reading skills by reading representative examples of essays, biographies, narratives, and other works written by published master authors of non-fiction. An intensive study of style, structure, and synthesis of techniques is necessary for clear communication in writing. Through organized study of the structures of sentences, paragraphs, and larger discursive patterns, students will become knowledgeable about semantic, logical, and creative qualities of composition. *The optional Advanced Placement Tests are given in May.*

Creative Writing (2640) One Credit, Block Grades 11, 12

Prerequisite: Writing with a B or higher, College Prep Writing, AP Writing, or Enhanced English II Writing or Instructor Approval

Writing creatively is something that humans have been doing since the dawn of civilization. We are, by nature, storytellers. In this course we will study some examples of creative writing done by others, but mostly we will continue the conversation begun ages ago. Students are encouraged to draw upon their knowledge of art, theology, mythology, architecture, government, music, philosophy, theatre, film, and literature as triggers for their creative work both in poetry and prose fiction. While students are encouraged to explore and focus on the area (prose or poetry) that most interest them, students are required to compose pieces in both genres. We will be studying these areas through reading, lecture, analysis, discussion, activity, and interaction. **Offered for college credit. DMACC Course ENG 221 (3 credits)**

Humanities (2860) Two Credits, Block Grades 11, 12
Prerequisites: Enhanced English IIL, British Lit to 1616 or British Lit 1616-1900 or American Lit I or II, and Enhanced English IIW, College Preparatory Composition, or AP Writing with a Grade of C or Higher

In Humanities, students study the achievements of specific cultures and specific individuals in art, music, theatre, literature, and philosophy. By investigating achievements in these areas, students witness the progress and decline of humankind from ancient Greece through the Age of Reason. Areas of concentration include the classical civilizations of Greece and Rome, the Medieval Period, and the European Renaissance of the 15th and 16th century. Major literary works include Homer's *Iliad*, Sophocles' *Oedipus the King*, Chaucer's *Canterbury Tales*, Machiavelli's *The Prince*, Shakespeare's *Comedy of Errors*, and Voltaire's *Candide*. Generally, college-bound students take Humanities.
Offered for college credit. DMACC Course LIT 150 (3 credits)

World Literature 1650 to Present (2470) One Credit, Half Block Grades 11, 12
Prerequisites: Enhanced English II Lit, British Lit to 1616, British Lit 1616-1900, or American Lit I or II, and Enhanced English II Writing, College Preparatory Composition, or AP Writing with a C or higher

Students will explore the readings from a variety of places, time periods, and perspectives from across the world including but not limited to literature from Asia, Africa, and the Middle East. Using full texts and supplemental excerpts (novels, short fiction, poems, nonfiction, etc.), students will interpret and analyze the content as well as writing style to illustrate that the human experience is ubiquitous. This is an accelerated course that emphasizes literary analyses, close critical readings, and scholarly writing.
Offered for college credit. DMACC Course LIT 151 (3 credits).

Introduction to Theatre (2180) One Credit, Block Grades 9, 10, 11, 12
From wanting to become a better actor or technician to wanting to have a deeper understanding of or appreciation for modern plays and films, an understanding of how theatre works is essential. Thus, the focus of this class is to study theatre in its many forms. As such, we will study theatre as literature, as history, and as performance. The world of the stage will be scrutinized through reading, lecture, analyzation, discussion, and activity. (Please note that Introduction to Theatre is NOT an acting class.)

Theatre Production (2190) One Credit, Block Grades 9, 10, 11, 12
Prerequisite: Introduction to Theatre

The logical step after mastering the basics of the theatre disciplines is a course in application of that training. This course will give advanced theatre students a chance to extend and apply the techniques and experiences mastered in Introduction to Theatre and will deal with the production process of the theatre. Students will be involved in the planning, organization and technical aspects of theatre. The course is designed for the advanced theatre student who is willing to devote the time and effort required to produce a play and become a well-rounded student of the theatre.

Introduction to Journalism (2110) One Credit, Block Grades 9, 10, 11, 12
This course offers students an introductory look into journalism in a digital age. Course content focuses on journalistic interviewing, writing, editing, press laws, and media literacy. Students work may be used in The Cardinal Chronicle. Upon completion of this course with a passing grade, students are eligible to join the newspaper.

Photojournalism (2120) One Credit, Block Grades 9, 10, 11, 12
This course offers students an introductory look at journalism through the eyes of a photographer. Students will learn the basics of digital photography, how to write in a journalistic style, understand media law, and apply their work to a digital format. Students will also take photographs at school events and formulate their writing based on those photos. Students work may be used in The Cardinal Chronicle and/or Newtonia. Upon successful completion of the course, students will be able to join the yearbook staff.

Graphic Design (2100) One Credit, Block Grades 10, 11, 12
This course introduces students to the basic elements of graphic design and photo editing through Photoshop and InDesign software. Students will learn how to use design print and web-based content that is both visually appealing and conducive to readership. Students will also create graphic elements and pages that could be used in the Newtonia. Computer proficiency will be helpful. Students interested in careers like journalism, graphic design, web design and marketing will benefit from this course.

Newspaper (2131, 2132) Two Credits, Half Block Grades 10, 11, 12
Prerequisites: Intro to Journalism or Instructor Approval

This course involves the production of The Cardinal Chronicle, the student newspaper. Students develop and use the skills they learned in Intro to Journalism to keep the faculty and student body informed and entertained in a responsible, journalistic manner. The course may be repeated for elective credit. Second semester freshmen may enroll with instructor's approval. Priority will be given to upper classmen who have met prerequisites.

Yearbook (2151, 2152) Two Credits, Half Block Grades 10, 11, 12
Prerequisites: Photojournalism or Instructor Approval

Students in yearbook are responsible for planning, writing, editing, designing, and completing one volume of the Newtonia, the NHS yearbook. Students develop and use the skills they learned in Photojournalism to record a history of the school year for students, faculty, and staff in a responsible journalistic manner. The course may be repeated for elective credit. Priority will be given to upper classmen who have met prerequisites.

Public Speaking (2030) One Credit, Half Block Grades 11, 12

Public Speaking is designed to give students experiences in a variety of speaking and listening situations. Attention is given to topic selection, research, speech preparation and speech presentation. As time permits additional emphasis is placed on any of a variety of communication experiences including interpersonal communication, listening skills, interview techniques, informative speaking, and persuasive speaking. Students will practice presenting a variety of speeches to the class. The speaking situation is considered from the listener's viewpoint as well as the speaker's, thus giving the student experience in evaluating the speeches of others as well as in the writing of speeches. The class should be a benefit to anyone wanting to improve his or her communication skills, especially those considering majors or careers in communication related fields.

Reading Skills I (7301, 7302) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Teacher Approval

This course is designed for students with significantly lower than peer language arts skills. The course will provide students with instruction and application practice of the Kansas University Strategies at a level for them to understand, learn, and advance their language arts abilities in Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in the beginning stages of the Fundamentals of Sentence Writing Strategies and of the Paragraph Writing Strategies. Enrollment in this class will be considered by teacher approval only.

Reading Skills II (7303, 7304) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Teacher Approval

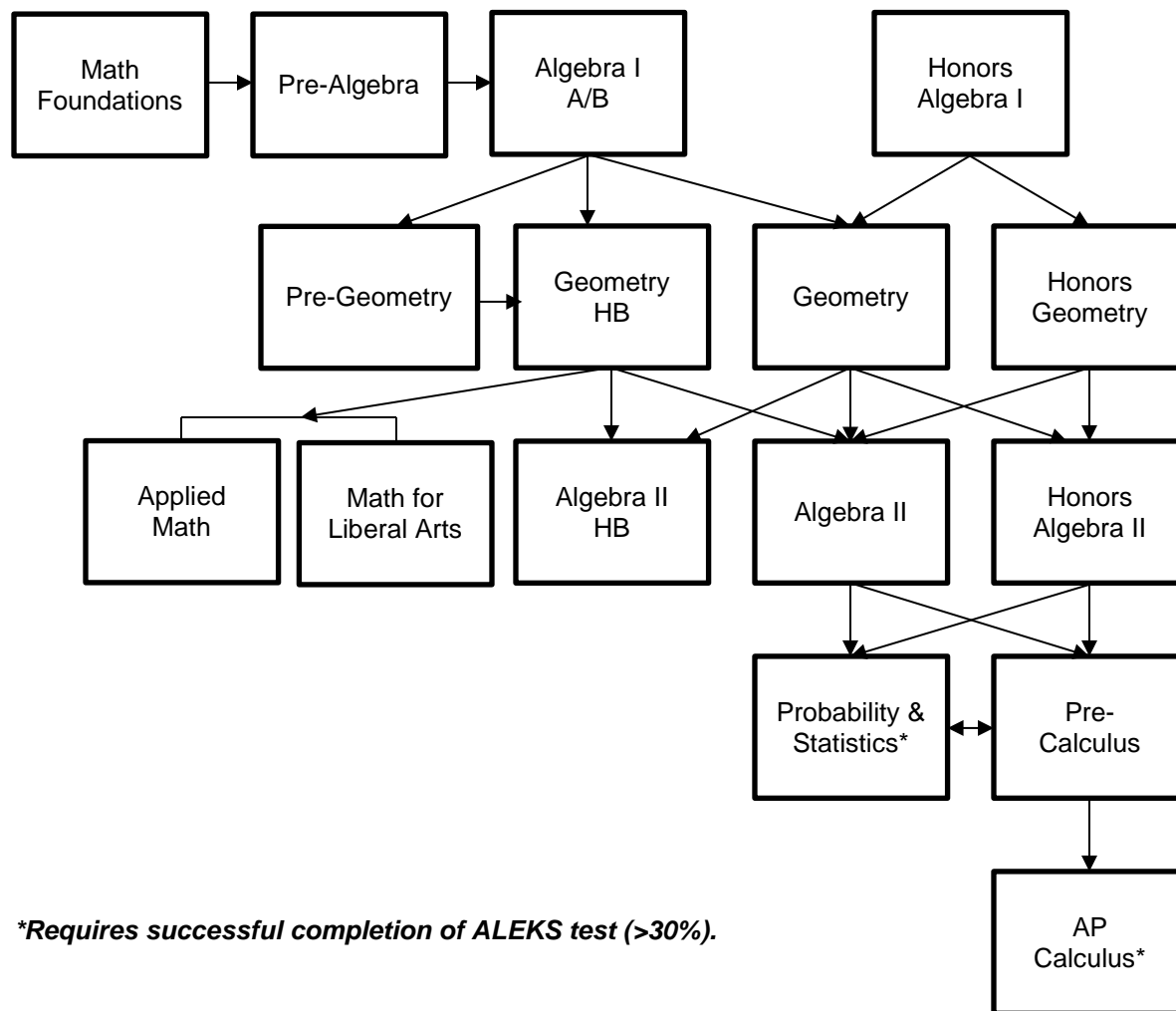
This course is designed for students with 5th and 6th grade level skills in language arts skills. This course will provide students with instruction and application practice of the Kansas University Strategies at a level where they can understand, learn, and advance their Language Arts abilities. This will include 5th and 6th grade level Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in Fundamentals of Sentence Writing Strategies and Paragraph Writing Strategies. Enrollment in this class will be considered by teacher approval only.

MATHEMATICS

Mathematics courses at Newton Senior High are designed to provide a wide variety of mathematical concepts while showing the interrelationships between mathematics and other disciplines. Mathematics will provide students with the basic skills needed for everyday life, for the career of their choice, or for continued education. The department provides a variety of well-planned and sequential mathematics courses that allow for individual needs and differences. Hopefully, the student will develop an interest and appreciation for mathematics and be able to relate topics to their place in history.

Incoming freshmen should take a mathematics course each semester of their freshman year. They will generally enroll in Algebra I A or Honors Algebra I first semester (depending upon their mathematics background and aptitude) and then Algebra I B or Honors Geometry second semester. Algebra I, Geometry, and Algebra II are minimally suggested courses for students planning on attending college following high school graduation. Pre-Algebra is the equivalent of 8th grade math.

Graduation Requirements: Six credits



**Requires successful completion of ALEKS test (>30%).*

Math Foundations (4501, 4502)

Two Credits, Half Block

Grades 9, 10

Math Foundations is a basic math class that covers operational skills required for success with Algebra and Geometry content. Math Foundations will cover number theory, fractions, ratios and proportions, rational numbers, and integers. This course is intended for students who need extra practice before moving into working with variables in Algebra.

Pre-Algebra (4511) One Credit, Half Block Grades 9, 10
Pre-Algebra is intended to strengthen freshman students' mastery of concepts and skills necessary for success in the high school Iowa Core mathematics courses. It provides a general introduction to the study skills and mathematics necessary at the high school level while covering algebraic topics including real number operations on expressions, linear equations and inequalities, and linear graphs. This course corresponds to 8th grade math.

Algebra I A/B (4601A, 4602B) Two Credits, Half Block Grades 9, 10, 11, 12
This course completes the first course in the college preparatory mathematics sequence, Algebra I. It will include a review of linear equations and inequalities but focus primarily on operations with quadratic equations and polynomials. This course will also examine the applications of these algebraic skills across other mathematical fields, including basic geometry, probability, and statistics. This is the initial course in meeting the Iowa Core High School Standards.

Honors Algebra I (4611) One Credit, Half Block Grades 9, 10, 11, 12
Honors Algebra I is designed for the advanced college-bound student. It is an introduction to the Honors program for those students that were successful with Algebra at the 8th grade level. In addition to a review of the topics of Algebra I, students will be introduced to a variety of advanced algebraic techniques and applications including factoring, rational expressions, exponentials, and statistical analysis.

Pre - Geometry (4680) One Credit, Half Block Grades 9,10
Prerequisite: previous completion of Pre-Algebra and Algebra 1, students who have completed *Geometry are ineligible to enroll.*

Pre-Geometry is intended to strengthen students' mastery of concepts and skills necessary for success in the High School Iowa Core mathematics courses. It provides a general introduction to the study skills and mathematics necessary at the high school level while covering geometry topics including defining angles, circles, surface area and volume, transformations, triangles, polygons, and the Pythagorean Theorem. This course does NOT replace Geometry in the four-year college admission requirements.

Geometry (4690) Two Credits, Block Grades 10, 11, 12
Prerequisite: Algebra I

Geometry is the second course in the college preparatory mathematics sequence. Students will apply a variety of problem solving procedures, along with mathematical thinking and reasoning to solve problems involving geometric concepts. Topics will include inductive and deductive reasoning, relationships of points, lines, and planes, and properties of triangles, quadrilaterals, polygons, and circles. Technology will be used throughout the course. This is the second course in meeting the Iowa Core High School Standards.

Geometry (4691, 4692) Two Credits, Half Block Grades 10, 11, 12
Prerequisite: Algebra I

Geometry is the second course in the college preparatory mathematics sequence. Students will apply a variety of problem solving procedures, along with mathematical thinking and reasoning to solve problems involving geometric concepts. Topics will include inductive and deductive reasoning, relationships of points, lines, and planes, and properties of triangles, quadrilaterals, polygons, and circles. Technology will be used throughout the course. This is the second course in meeting the Iowa Core High School Standards. The half block class is intended for those students who may be more successful in this format.

Honors Geometry (4730) Two Credits, Block Grades 9, 10, 11, 12
Prerequisite: Honors Algebra I or high grades in Algebra I: recommended for students planning to take Pre-Calculus and/or AP Calculus while in high school.
Instructor recommendation.

Honors Geometry is designed for the advanced college-bound student. It is accelerated and more intense when compared to regular Geometry and covers more topics at a quicker pace. In addition to the topics of Geometry, students will be introduced to logic, voting methods, discrete topics, probability and statistical analysis.

Applied Math (4591,4592) Two Credit, Half Block Grades 11,12
Prerequisite: Approval from math and industrial arts department.

Applied Math is intended for students who are planning to attend a trade school. This course does NOT satisfy requirements for entry into a four year college. The course will cover algebraic and geometric skills needed for CTE careers. The topics that will be covered include measurement, angles, geometric shapes, area, volume, linear equations, and ratios/proportions.

Math for Liberal Arts (4900) One Credit, Half Block Grades 11, 12
Prerequisite: Algebra I

In this course the student will begin to think critically by studying logic, sets, and statistical reasoning. The student will examine problem solving and decision making by studying probability, application of statistics data, modeling, and financial mathematics. The student will become aware of possible abuses of mathematics. Finally, the student will understand the broad usefulness of mathematics by studying the history of mathematics and application of mathematics in art, music, business, and/or politics. This course does NOT replace Algebra II in the four-year college admission requirements.

Probability and Statistics (5070) One Credit, Half Block Grades 11, 12
Prerequisite: Above average grades in Algebra II or Honors Algebra II
**Requires successful completion of ALEKS test (>30%).*

Probability and Statistics is an elective course that acquaints the student with methods of gathering, organizing, and analyzing descriptive statistics with the underlying principles of probability. Topics will include exploring data, normal distributions, graphic relationships, sampling, randomness, binomial and geometric distributions, and sampling distribution. Students will use technology, including graphics calculators, to facilitate computational processes. **Offered for college credit. DMACC Course MAT 157 (4 credits)**

Algebra II (4620) Two Credits, Block Grades 9, 10, 11, 12
Prerequisites: Algebra I and Geometry or Honors Geometry: recommended for college-bound students. Students who do not pass Term 1 should consider retaking Algebra I.

Algebra II is the third course in the college preparatory mathematics sequence. It briefly reviews the topics covered in Algebra I and introduces the student to higher level topics in mathematics. Topics will include quadratic functions, polynomial functions, exponential and logarithmic functions, graphing of rational functions, normal distribution of data, fundamental probability principles, and trigonometry. This course is not recommended for those students who plan on taking Pre-Calculus and/or Calculus. This is the third course in meeting the Iowa Core High School Standards.

Algebra II (4621, 4622) Two Credits, Half Block Grades 10, 11, 12
Prerequisite: Algebra I

Algebra II is the third course in the college preparatory mathematics sequence. It briefly reviews the topics covered in Algebra I and introduces the student to higher level topics in mathematics. Topics will include quadratic functions, polynomial functions, exponential and logarithmic functions, graphing of rational functions, normal distribution of data, fundamental probability principles, and trigonometry. This course is not recommended for those students who plan on taking Pre-Calculus and/or Calculus. This is the third course in meeting the Iowa Core High School Standards. The half block class is intended for those students who may be more successful in this format.

Honors Algebra II (4630) Two Credits, Block Grades 10, 11, 12
Prerequisites: Grade of C+ or higher in Algebra I and Geometry or Honors Geometry: recommended for students planning to take Pre-Calculus and/or AP Calculus while in high school.

Honors Algebra II is designed for the advanced college-bound students. It is accelerated and more intense when compared to regular Algebra II and will cover more topics at a quicker pace. In addition to the topics of Algebra II, students will be introduced to trigonometry functions, trigonometry graphs, conic sections, trigonometric identities, and sequences and series.

Pre-Calculus (4830) Two Credits, Block Grades 11, 12

Prerequisite: Above average grade in Algebra II or Honors Algebra II: recommended for college-bound students.

Pre-Calculus is the fourth course of the college preparatory mathematics sequence. It briefly reviews the topics covered in Algebra II and develops the basic understanding and manipulative skills that are essential for success in Calculus and beyond. Topics will include function operations over the categories of rational, exponential, logarithmic, and trigonometric concepts. The student will also cover analytic geometry, vectors, polar coordinates, and complex number operations.

Advanced Placement Calculus (4890) Two Credits, Block Grades 11, 12

Prerequisite: Above average grade in Pre-Calculus.

Students who do not pass Term 1 should consider retaking Pre-Calculus.

**Requires successful completion of ALEKS test (>30%).*

AP Calculus is a college level, advanced high school mathematics course. It is designed to develop a basic understanding of differential and integral calculus. Topics include a review of pre-calculus fundamentals, limits and continuity, and differentiation and integrations techniques and applications. Technology, including graphics calculators, will be used throughout the course. **Offered for college credit** and students may elect to take the AP test. **DMACC Course MAT 211 (5 credits)**

PARTNERSHIP PROGRAMS

FLEDGE Innovator (1390) Two Credits, Block Grades 11, 12

Earn 3 Transferable Credits from the University of Iowa in Entry-Level Engineering or Entrepreneurship

Prerequisites: Application, 95% Attendance rate, 2.0 Cumulative GPA

- Supports STEM Initiatives (Science/Technology/Engineering/Math)
- Must have 95% or higher attendance, complete an application process, and be accepted into the program
- Apply creativity and innovation for solutions to local problems by working in a student team on projects with mentors from local businesses. FLEDGE provides a learning environment designed to foster development of entrepreneurial thinking and leadership skills through strategic development and execution.

*At the end of the class, students will take a U of I written exam. To receive the college credit, students must score 70% or higher on the exam. Students must also submit all FLEDGE Innovation Portfolio materials and pass all items. After the test, each student decides if they'd like to receive the three **U of I credits** and pay a \$150 course fee; otherwise students will receive two NHS credits.*

Mathematics (7411, 7412) Two Credits, Half Block Grades 9, 10, 11, 12

Prerequisite: Teacher Approval

This course is designed for students with significantly lower than peer mathematics skills. This course provides individualized student instruction ranging from basic math skills to the application of mathematical concepts needed to make wise consumer decisions. Enrollment in this class will be considered by teacher approval only.



MUSIC

The primary purpose of the music curriculum of Newton High School is to provide a program of music education which contributes to the development of cultural and aesthetic values appropriate for high school students. These values are taught through large performing groups, small ensembles, and music theory. Students who participate in the courses from year to year will be provided a variety of musical experiences with emphasis on the study and performance of selected musical literature representative of a wide range of periods, styles, nationalities, forms, composers, and media.

Students participating in music are provided the opportunity to develop musical talents to their full potential. Hopefully, participation in the music curriculum will increase student understandings and appreciations of the art of music and its relevance to human life. Additionally, the goal of the music curriculum is the discovery and development of each student's aptitudes so that music will permanently enhance the quality of the individual's life whether the student continues musical activity as a vocation, avocation, or for personal pleasure.

Music Programs

Instrumental	Vocal	General
Band (9 th – 12 th)	Cardinal Chorale (9 th)	Music Theory (9 th – 12 th)
	Concert Choir (10 – 12 th)	Jazz Techniques (9 th – 12 th)
	Chamber Choir (10 th – 12 th)	Colorguard (9 th – 12 th)

Band (5111, 5112) 2.5 Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Proficiency in playing an instrument

NOTE: First semester band, which includes marching band, will earn 1.5 credits.

High School band is made up of a variety of ensembles including Marching Band, Wind Ensemble, Symphonic Band, Jazz Ensemble, Jazz Lab, and Pep Band. In addition to these ensembles members will have the opportunity to participate in honor bands, all-state, and solo/ensemble contest.

9th grade students are required to participate in band for the full year.
10-12th grade students are strongly encouraged to participate in band the full year.

Marching band is a highly visible and competitive ensemble that operates from the beginning of the school year until the middle of October. The marching band performs at all home football games and at 4 competitions per year. Two marching band camps will be held during the summer to prepare the students for the marching band season. One will be at the end of June and the other will be in late July or early August. Drum line and Colorguard members have additional rehearsals throughout the summer. During the school year the marching band will rehearse before school on Wednesdays, Thursdays, and Fridays. There is also an evening rehearsal on Mondays.

Concert band begins in the middle of October and continues until the end of the school year. Auditions for the Wind Ensemble and Symphonic Band will take place immediately after marching band is over. Both ensembles will work to refine the skills of tone production, technique, rhythm, intonation, and musicianship. Concert band rehearsals will take place during the school day unless performance demands require additional rehearsal time. **Students joining band 2nd semester will be placed in the Symphonic Band.**

Jazz Ensemble and Jazz Lab are extra-curricular ensembles that work in conjunction with the high school band department. All rehearsals will take place outside of the school day. **All students, excluding bass, piano and guitar players, must be enrolled in band for both semesters to be a member of a jazz band. (This is a state rule.)** The band department travels a lot during the school year and every four years will take a major trip to perform in a national setting. **Students must participate in band the full year to attend the major band trip.** Past trips have included New York City, Orlando, and Washington, D.C.

Colorguard (5151) One Credit, Half Block Grades 9, 10, 11, 12
Prerequisite: Audition

Colorguard is an auxiliary group that performs with the Marching Band. Students selected for Colorguard, but not in Band or Orchestra, should schedule for Colorguard to guarantee a rehearsal time with the Band during first term. Colorguard meets term one during block 1A. Outside school rehearsals and summer rehearsals are required.

Cardinal Chorale (5301, 5302) Two Credits, Half Block Grade 9

Cardinal Chorale is a non-audition mixed vocal group emphasizing vocal development and musical technique. The results of choir rehearsals are heard in concerts throughout the school year, including Fall Festival, Winter Concert, Musical (alternating years), Winter Assembly, and Spring Concert. Students have the opportunity to perform individually at solo-ensemble contest in the spring. Students planning to audition for Jazz Choir must register for two consecutive semesters of choir each year.

Concert Choir (5321, 5322) Two Credits, Half Block Grades 10, 11, 12

Concert Choir is a non-audition mixed vocal group emphasizing vocal development and musical technique. The results of choir rehearsals are heard in concerts throughout the school year, including Fall Festival, Winter Concert, Musical (alternating years), Winter Assembly, and Spring Concert. Students have the opportunity to perform individually at solo-ensemble contest in the spring. Students planning to audition for Jazz Choir must register for two consecutive semesters of choir each year.

Chamber Choir (5361, 5362) Two Credits, Half Block Grades 10, 11, 12

Chamber Choir is an audition only mixed vocal group emphasizing vocal development and musical technique. Auditions will be held in the spring semester for the following school year. Any current freshman through junior who will be a sophomore through senior in the following school year may audition for this choir. The results of choir rehearsals are heard in concerts throughout the school year, including Fall Festival, Winter Concert, Musical (alternating years), Winter Assembly, Spring Concert, and Graduation. Students also attend state contest as a full ensemble and have the opportunity to perform individually at solo-ensemble contest in the spring. Students planning to audition for Jazz Choir must register for two consecutive semesters of choir each year.

Music Theory (5400) One Credit, Half Block Grades 10, 11, 12

Prerequisite: Prior Musical Experience and/or Teacher Recommendation

Music Theory is an introductory study of the structure and fundamentals of music. It is an elective course planned for any student desiring a more thorough understanding of music based upon knowledge of the techniques and skills involved in its structure. The course is conducted in a laboratory manner with emphasis on writing, analysis, and ear-training. Theoretical problems are explained as students encounter them and creative work is encouraged. Students who participate in this course should acquire the necessary skills for effective musical expression.

Jazz Techniques (5420) One Credit, Half Block Grades 10, 11, 12

Prerequisites: Music Theory. Students should be familiar with all twelve major scales on their instrument with six to seven of these memorized.

Jazz Techniques is designed to expose students to the history, theory, and fundamentals of performing instrumental jazz music. The focus of Jazz Techniques is on improvisation and/or rhythm section playing in small groups. Instruction and assessments will be given in the areas of jazz history, jazz theory, and jazz language skills and acquisition. Students will have opportunities to rehearse individually, in combo group settings, and with pre-recorded rhythm section backgrounds. Forms for assessment will include in class performance, written tests and quizzes, transcription projects, and portfolios.

Advanced Strength and Conditioning (5821, 5822) 1.5 Credit, Half Block Grades 10, 11, 12

Prerequisite: Strength and Conditioning 9 or Strength and Conditioning, Instructor Approval

This course is specifically designed to get the most out of an athlete. This class will focus on building strength, endurance, flexibility, and the mental attitude required to help students reach the top of their respective activities. Additional topics will also include team-building, leadership, and nutrition. Recommended for students interested in pursuing sports at the collegiate level. This class is offered as an early bird class running from 7:00 AM until 8:00 AM. **CANNOT TAKE SEMESTER ONE WITH BAND.**

Team Sports (5610) One Credit, Block Grades 10, 11, 12

This course provides an opportunity for students to improve their health and fitness in a team setting. Students will play a variety of team sports, and concepts such as strategies, teamwork, and competition will be stressed. Games will be focused on sports that are common in rec league environments, and students could participate in throughout their lifetimes. Examples would be basketball, volleyball, flag football, etc.

Alternative Sports (5615) One Credit, Block Grades 10, 11, 12

This course is designed to allow students an opportunity to improve their health and fitness levels through individual sports and activities. Students will focus on strategies and skill development in a variety of individual sports and activities that students could participate in throughout their lifetimes. Examples would be sports such as Tennis, Pickleball, Badminton, etc.

Early Bird PE (5600) One Credit, Block Grades 10, 11, 12

This course is designed for students who have a full schedule to also meet the PE requirement. It is a combination of activities that will provide students an opportunity to learn about staying fit through both team and individual activities.

PRE-ENGINEERING

Project Lead The Way is a nation-wide program that exposes high school students to engineering concepts and careers. Through a series of three courses students can gain knowledge and experience, and can explore the many fields in engineering. Students will have the opportunity to take the first two courses on campus and then Digital Electronics with the local DMACC. Students who earn qualifying scores can gain college credit for the courses at a fraction of the normal cost.

The entire three-course strand is available to NHS students. Course sequence: Introduction to Engineering Design, Principles of Engineering, Digital Electronics (at DMACC).

Introduction to Engineering Design (IED) (4310) Two Credits, Block Grades 9, 10, 11, 12

Prerequisite/Co-requisite: Algebra I

This is a Pre-Engineering course where students use 3D solid modeling design software to help design solutions to proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Completion of this course will earn for the student Industrial Technology credit. **Offered for college credit. DMACC Course EGT 400 (4 credits)**

Principles of Engineering (POE) (4320) Two Credits, Block Grades 9, 10, 11, 12

Prerequisite/Co-requisite: Algebra I

This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This course is designed for 10th or 11th grade students. **Offered for college credit. DMACC Course EGT 410 (3 credits)**

PLTW-Principles of Biomedical Science (4340) Two Credits, Block Grades 10, 11

Prerequisites/Co-requisites: Integrated Science and Biology

This is a Project Lead the Way science course. From the moment students walk into the classroom, they are immersed in the mysterious death of “Anna.” They will be using principles of science and scientific processes to investigate, document, and analyze evidence to solve the case. Students will explore a range of careers in biomedical sciences as they learn content in the context of real world, hands-on activities, projects, and problems. This is an elective course and is not a substitute for any core requirement.

PLTW-Human Body Systems (4350) Two Credits, Block Grades 11, 12

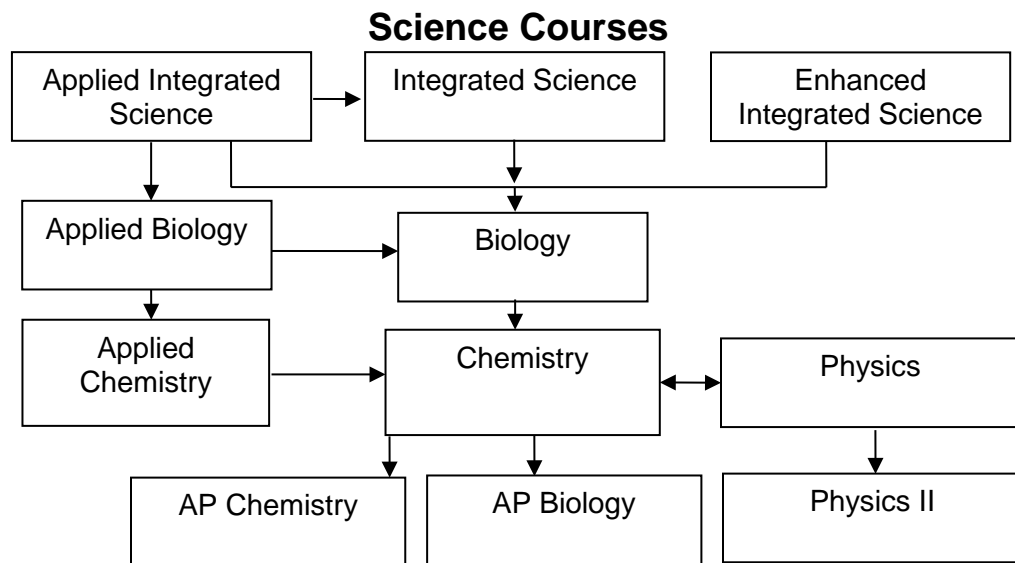
Prerequisite: Principles of Biomedical Science

This is the second course in the Project Lead the Way Biomedical science course of study. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This is an elective course and is not a substitute for any core requirement.

SCIENCE

The health and strength of our nation, our position as a world leader, our economic productivity, and our quality of life are increasingly dependent on a strong scientific and technological enterprise. Newton High School offers students a variety of introductory and advanced science courses to meet this need.

Graduation Requirements: Two credits in either Applied, Integrated, or Enhanced Integrated Science, and four additional elective science credits.



Follow the arrows for the recommended sequence of courses.

Applied Integrated Science (6001, 6002) Two Credits, Half Block Grades 9, 10
 This course is designed for students with low IA Assessment scores of 237 8th grade in science and low 8th grade science grades. The curriculum emphasizes the reinforcement of theories and practical applications of the basic concepts of physics and earth science. The curriculum also emphasizes hands-on activities and real world application of theory.

Integrated Science (6011, 6012) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Minimum IA Assessment reading score of 239 8th grade.
 Integrated Science is a course designed to continue the knowledge spiral curriculum begun in middle school. In this course students will study topics from the areas of physics and earth science in a manner that allows you to see the interconnections between them. Students will conduct many laboratory activities to gain a better understanding of these topics.

Enhanced Integrated Science (6021, 6022) Two Credits, Half Block Grade 9
Prerequisite: Teacher Recommendation and a Grade of B- or Higher in 8th Grade Science.
 The core curriculum of this course is the same as that of Integrated Science, with many of the topics studied at a deeper level. Students will find themselves challenged at a high level and will be expected to meet rigorous standards.

Applied Biology (6030) Two Credits, Block Grades 10, 11, 12
Prerequisite: Integrated Science or Applied Integrated Science and approval from Integrated Science Instructors.
 This course is designed for students with low IA Assessment scores in Science and low Integrated Science grades. *This course is not accepted by four-year colleges as fulfillment of the science credit prerequisites for admission.* A majority of class time is spent completing labs designed to acquaint students with the variety, form, and function of living things. Some labs are designed to teach about the scientific method of investigation. Applied Biology will focus on the life sciences and units covered will be cells, genetics, evolution, ecology, and human systems.

Biology (6060) Two Credits, Block Grades 10, 11, 12
Prerequisite: Integrated Science or Enhanced Integrated Science

Biology is a course designed for those students who plan to attend a four-year college or university. A majority of class time is spent completing labs designed to acquaint students with the variety, form, and function of living things. Some labs are designed to teach about the scientific method of investigation. Major topics include ecology, cell biology, molecular biology, genetics, evolution, and human systems.

Advanced Placement Biology (6091, 6092) Two Credits, Half Block Grades 11, 12
Prerequisites: Chemistry and Biology

AP Biology is a course for the student that is preparing to study the Life Sciences at the college level or take the AP exam. The course topics include cell/molecular Biology, Genetics, Natural Selection, and Ecology. Following the AP exam, the students will also do a brief unit on animal physiology combined with a cat dissection. In the AP Biology format, laboratory experiences are inquiry-based and expand on the topics discussed in class.

Applied Chemistry (6140) Two Credits, Block Grades 10, 11, 12
Prerequisite: Applied Biology or Biology

This course is designed for students with low IA Assessment scores in Science and students that are not planning to attend a four-year college after high school. This Chemistry course will focus on the understanding of the structure of atoms, the structure and properties of matter, and basic chemical reactions. Students will actively participate in the scientific activities of observation, calculation, generalization, explanation, and application of chemical concepts. This course is not accepted by four-year colleges for freshmen admissions.

Chemistry (6150) Two Credits, Block Grades 10, 11, 12
Prerequisite: Algebra I and a Grade of C or higher in Integrated Science or Enhanced Integrated Science.

This course is designed for students planning to attend a four-year university. Chemistry emphasizes the development of an understanding of how a chemist works rather than memorization of a mass of information. The unifying principles of chemistry are developed from experimental observation. Students actively participate in the scientific activities of observation, calculation, generalization, explanation and application and will develop a better appreciation for the scientific method as a tool for seeking true understanding.

Topics covered may include chemical elements, atoms, molecules, chemical equations, gases, liquids, solids, atomic and electronic structure, chemical bonding, molecular structure, equilibrium, and acids and bases.

Advanced Placement Chemistry (6170) Fall Semester Two Credits, Block Grades 11, 12
Prerequisite: Chemistry with a Grade of B- or Higher

AP Chemistry is a course for the student interested in preparing for college chemistry or the AP chemistry exam. The course follows a curriculum that would prepare students for the exam in the spring. The fall block semester will include the exploration of gas laws, kinetics, equilibrium reactions, acid-base reactions, and electrochemistry. Laboratory experiences follow the AP chemistry format and expand on topics discussed in class. The fall semester of the course may be taken independently of the spring semester.

Advanced Placement Chemistry (6171) Spring Semester One Credit, Half Block Grades 11, 12
Prerequisite: Chemistry with a Grade of B- or Higher

The spring half block semester will include the exploration of organic chemistry, atomic structure, and molecular structure. The spring semester will also include preparation for the AP chemistry exam. All students in the spring class will be encouraged to take the AP chemistry exam.

Physics (6190)

Two Credits, Block

Grades 11, 12

Prerequisite: Algebra II or Equivalent and Integrated Science or Enhanced Integrated Science

Physics is a course which investigates the interactions in our universe between energy and matter. This broad description realistically includes the study of any natural phenomena. The following topics are covered in physics: kinematics, Newton's laws of motion, conservation laws, universal gravitation, kinetic theory, electrostatics, electric circuits, magnetism, waves and optics, and the atom and nucleus.

The physics classroom is dynamic with interaction between teacher and students encouraged through discussion, laboratory work, and problem solving sessions. Students are led to discover the laws of nature through experimentation, and given confidence in the predictability of natural phenomena. This course will only skim the very surface of the body of knowledge that is known as physics, but will give students interested in science and science related careers an excellent framework of knowledge and experiences.

Physics II (6210)

Two Credits, Block

Grades 11, 12

Prerequisite: Physics

Physics II is a course for those students desiring a second year of physics and possibly for those students interested in taking an Advanced Placement Examination in physics. The topics in Physics II are very similar to those covered in the first year of Physics, but at a deeper and more complex level. Some new topics are introduced. The course is flexibly structured to meet student interests in particular areas. The topics usually covered include the following: light and waves, kinematics and dynamics, momentum and energy, rotational motion, irreversible processes and entropy, electricity and magnetism, relativistic kinematics, atomic and nuclear physics, and high energy physics.

Because of the nature of the topics covered in this course more time is spent in lecture and discussion activities than on laboratory experiences.

PLTW-Principles of Biomedical Science (4340)

Two Credits, Block

Grades 10, 11, 12

Prerequisites/Co-requisites: Integrated Science and Biology

This is a Project Lead the Way science course. From the moment students walk into the classroom, they are immersed in the mysterious death of "Anna." They will be using principles of science and scientific processes to investigate, document, and analyze evidence to solve the case. Students will explore a range of careers in biomedical sciences as they learn content in the context of real world, hands-on activities, projects, and problems. This is an elective course and is not a substitute for any core requirement. Students who complete the Principles of biomedical Science course, and who pass the Project Lead the Way end of course exam; have the option to purchase 1 University of Iowa credit for \$75.00 which can be transferred to the university or college of their choice.

PLTW-Human Body Systems (4350)

Two Credits, Block

Grades 11, 12

Prerequisite: Principles of Biomedical Science

This is the second course in the Project Lead the Way Biomedical science course. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken[®]; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This is an elective course and is not a substitute for any core requirement. Students who complete the Human Body systems course and who pass the Project Lead the Way end of course exam; have the option to purchase 3 University of Iowa college credit for \$150.00 which can be transferred to the university of college of their choice.



COMPUTER SCIENCE

Computer Programming I (5010)

One Credit, Half Block

Grades 10, 11, 12

Prerequisite: Algebra I

This course is for students looking to develop the basic skills required to write computer programs. The focus lies on general programming skills and practices rather than learning any specific programming language. Variables, functions, methods, objects, and classes are covered. Object-oriented programming skills are mastered as students create animations, simulations, and simple versions of their favorite video games.

Computer Programming II (5020)

One Credit, Half Block

Grades 11, 12

Prerequisite: Computer Programming I or Instructor Approval

This course is for students interested deepening their programming skills. Students will be exposed to a variety of languages to investigate the pros and cons of each. This is a project based course that requires students to meet project deadlines as they hone their programming skills. Students will be exposed to both graphical and texted based programming in various hardware environments including Arduino, Esplora, Raspberry Pi, and possibly other languages.

PARTNERSHIP PROGRAMS

FLEDGE Innovator (1390)

Two Credits, Block

Grades 11, 12

Earn 3 Transferable Credits from the University of Iowa in Entry-Level Engineering or Entrepreneurship

Prerequisites: Application, 95% Attendance rate, 2.0 Cumulative GPA

- Supports STEM Initiatives (Science/Technology/Engineering/Math)
- Must have 95% or higher attendance, complete an application process, and be accepted into the program
- Apply creativity and innovation for solutions to local problems by working in a student team on projects with mentors from local businesses. FLEDGE provides a learning environment designed to foster development of entrepreneurial thinking and leadership skills through strategic development and execution.
- *At the end of the class, students will take a U of I written exam. To receive the college credit, students must score 70% or higher on the exam. Students must also submit all FLEDGE Innovation Portfolio materials and pass all items. After the test, each student decides if they'd like to receive the three U of I credits and pay a \$150 course fee; otherwise students will receive two NHS credits.*

Science Skills (7541, 7542)

Two Credits, Half Block

Grades 9, 10, 11, 12

Prerequisite: Teacher approval

This course is designed for students with significantly lower than peer academic skills. This course will provide basic science skills. The class will provide students with instruction and application practice in different areas of science curriculum. Enrollment in this class will be considered by teacher approval only.

SOCIAL STUDIES

The social studies curriculum includes courses which help students prepare for active, responsible participation in the world community. Through a study of various social, political, economic, and historical institutions, the social studies curriculum helps develop a better informed citizenry.

Students will develop skills to deal with social, political and economic problems that will confront them throughout their lives.

Graduation Requirements: Six Credits: One credit from a Behavioral Studies course, One credit from World Studies course, One credit in Economics, Two credits in U. S. History, One credit in U. S. Government or AP Government

Social Studies Courses

Behavioral Studies	World Studies	Required Courses
Psychology	Ancient Greece and Rome <i>(offered on rotational basis)</i>	Global Studies
College Prep Psychology	Dark Ages and Discovery <i>(offered on rotational basis)</i>	Economics
Sociology	20 th Century Wars <i>(offered on rotational basis)</i>	US History I
Social Psychology		US History II
		US Government or AP US Government

Global Studies (6450) One Credit, Half Block Grade 9
 This course will provide a comprehensive survey of topics designed to help students gain an understanding of how historical, cultural, and geographical factors have shaped the world we live in today. Units of study will include but not be limited to European colonization, the first civilizations, geographic luck, and the impact of pandemics on societies.

Ancient Greece and Rome (6640) One Credit, Half Block Grades 10, 11, 12
 This course examines the dramatic successes and failures of the ancient Greeks and Romans while asking students to consider their impact on later societies, particularly on the founding of the United States. Through the use of both primary and secondary sources, students learn of the arrogance and violence of the Athenian Democracy, the fall of the Roman Republic, and the rise of Emperors.

Dark Ages and Discovery (6650) *Not offered 2018-2019* One Credit, Half Block Grades 10, 11, 12
 Discover the most fascinating people of Medieval Europe and the world-altering events of the Age of Discovery, the Enlightenment, and the Ages of Revolution. Charlemagne, Viking invasions, the Crusades, King John, the Black Death, Columbus, the French Revolution, and more are introduced in this survey of how the modern world came to be.

20th Century Wars (6660) One Credit, Half Block Grades 10, 11, 12
This course invites students to consider how World War I shaped the modern world and influenced events that affect us to this very day. The Great War, the Russian Revolution, the rise of the Nazis, World War II, the Cold War, proxy wars, and the threat of international terrorism will all be explored from various perspectives. Upon completion of the course, students will have a better understanding of how past events shape the world we live in.

Psychology (6530) One Credit, Half Block Grades 10, 11, 12
This course exists to help the students analyze and solve their problems with themselves and others. Basically, it tries to answer the question, "Why do people act the way they do?" Emphasis is placed on the biological and environmental influences on one's behavior, covering areas such as Personality, Sensation and Perception, Principles of Learning, Brain and Behavior, and Memory. The course becomes a valuable tool in helping students manage their lives.

College Prep Psychology (6535) One Credit, Half Block Grades 10, 11, 12
Prerequisites: Students must have one or more of the following: 21 ACT score or higher; 3.5 GPA or higher; 40% proficiency or higher in all three areas of writing, science, and reading on the IA Assessments; 10th grade students must be TAG eligible.

This course is for those students wanting to earn college credit for their psychology class. College Prep Psychology covers the same material as the regular psychology class, but has additional topics such as the life span, altered states of consciousness, motivation and emotion, psychological disorders, conformity, and attitude formation. Students who have already taken the regular Psychology class, may not take College Prep Psychology. **Offered for college credit. DMACC Course PSY 111 (3 credits)**

Sociology (6480) One Credit, Half Block Grades 10, 11, 12
Sociology examines the ways people interact with one another and involves learning about relationships with one another. The class also involves learning about relationships with groups, such as your class; relationships in social institutions, such as your family; and the organization of societies, such as your own. Sociology also deals with vital issues and social problems. It is a young and dynamic science which is expanding rapidly all over the world as people seek to better understand themselves and their relationships with others.

Social Psychology (6540) One Credit, Half Block Grades 11, 12
Prerequisite: Psychology and/or Sociology
Social Psychology is a course designed to be a bridge connecting Psychology and Sociology and to offer the opportunity to explore further into both sciences. It takes the psychology question of, "Why are people the way they are?" and expands it with the sociological view of how groups affect individual behavior. The course will cover topics such as the social self, constructing social reality, attribution, attitude, and prejudice and stereotyping. Social Psychology deals with issues that students will face throughout their lives and give them the tools to build their own pathways.

United States History I (6601) One Credit, Half Block Grades 11, 12
United States History I is a survey of American history from the colonial era to the end of Reconstruction. The course will focus particular attention to the key turning points in American history, such as the American Revolution, Westward Expansion and the politics of slavery, the Civil War, and Reconstruction.

United States History II (6602) One Credit, Half Block Grade 11
United States History II is a survey of American history from the end of Reconstruction to the modern era. This course will emphasize political, social, religious, intellectual, and economic aspects of the Gilded Age, Progressive Era, the World Wars and Great Depression, and era of the Cold War.

United States Government (6800) One Credit, Half Block Grade 12
United States Government is designed to provide students with an analytic perspective on the foundations and evolution of government and politics in the United States. This course is concerned with the nature of the American political system, its development over the past two centuries, and how it continues to function today. Its focus is the structure and function of the Constitution, the principle processes and institutions through which the political system functions, and the creation and implementation of public policy.

Advanced Placement United States Government (6810) One Credit, Half Block Grade 12
*Prerequisites: Grade of A- or higher in United States History I & II and Minimum of 3.25 GPA
or Instructor Approval*

This course will be an advanced study of the United States Government and political systems. This course includes a challenging, focused look at the Constitutional underpinnings of our government, political beliefs and behaviors, public policy, civil rights and liberties, political parties, and other institutions of national government. It is an accelerated class with a curriculum based upon preparing students for the advanced placement test. The advanced placement tests are given in May.

Economics (6490) One Credit, Half Block Grades 11, 12
This course is a survey of economics that addresses macro- and microeconomic principles. The class is organized around major economic concepts with activities that relate to a variety of market situations and government economic issues on a domestic and international level. We will focus on how we fit into a world of infinite wants, but limited resources.

Criminal Justice (0601, 0602) Five Credits, Block PLUS Grades 11, 12
Prerequisite: Sociology OR Psychology and four credits in science
This is a DMACC ACADEMY offering. Students must register for the full year. The Criminal Forensics program introduces students to criminal law and crime scene investigation and prepares students for entry level into the criminal justice field. Sixteen DMACC credits are available upon completion of all DMACC Career Academy course offerings. **Times: 7:30-9:30AM or 1:15-3:15PM**

Social Studies Skills (7611, 7612) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Teacher Approval
This class is designed for students with significantly lower than peer academic skills. The class will provide students with instruction in different areas of the Social Studies curriculum. Enrollment in this class will be considered by teacher approval only.

SPECIAL EDUCATION

Special Education provides educational opportunities for those students who have qualified for these services. Goals are set at a staffing, and an individualized educational plan is developed by a team that includes the parents, student, the Area Education Agency team, an administrator, the Special Education teacher, the classroom teacher and other support personnel. Through an ongoing monitoring and reassessment process, the student is provided those experiences which will lead to the full realization of each one's capability in regard to academic ability, social skills and vocational/career interests. Registration for special education courses will be conducted during individual conferences with the respective teachers.

K.U. Strategies (7221, 7222, 7223, 7224), Half Credit, Half Block Grades 9, 10, 11, 12
THIS IS NOT A STUDY HALL. The Kansas University class, (K.U. Strategies), is a credited class where students will work towards their IEP targeted areas of need, specifically reading, writing, and math. In this class students will receive and practice skill building strategies to improve their academic abilities, which will help them be more successful in the general education environment.

Reading Skills I (7301, 7302) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Reading/Writing Goal

This course is designed for students with significantly lower than peer language arts skills. The course will provide students with instruction and application practice of the K.U. Strategies at a level for them to understand, learn, and advance to the next language arts level: Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in the beginning stages of the Fundamentals of Sentence Writing Strategies and of the Paragraph Writing Strategies.

Reading Skills II (7303, 7304) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Reading/Writing Goal

This course is designed for students with fifth and sixth grade level skills in language arts skills. This course will provide students with instruction and application practice of the K.U. Strategies at a level where they can understand, learn, and advance to the next language arts level: This will include fifth and sixth grade level Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in Fundamentals of Sentence Writing Strategy and the Paragraph Writing Strategy.

Mathematics (7411, 7412) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: Math Goal

This mathematics class provides individualized student instruction ranging from basic math skills to the application of mathematical concepts needed to make wise consumer decisions. Enrollment in this class will be considered annually in conjunction with a review of the students' goals.

Social Skills (7601, 7602) Two Credits, Half Block Grades 9, 10, 11, 12
Prerequisite: IEP Identified Behavior Goal

This course will help students claim their self-esteem and help identify their individual talents. Students will develop skills for establishing responsibility and accountability. Students will also learn to interact with others in a positive manner.

Experienced Based Career Education (8010, 8020, 8030, 8040) One Credit, Block Grades 11, 12
Prerequisite: Staffing Team Approval. 10th grade also Requires Instructor Approval

Experience Based Career Education (EBCE) is an academically based work experience program designed to use the community as a classroom. Career exploration is a major component of the total program. EBCE is designed to allow students the opportunity to explore possible careers and to make them aware of the preparation needed for careers in which they are interested.

Students in EBCE are placed at job sites for 1-2 hours per day. The average length of stay at a job site is 9 weeks. Students may experience two or more job sites per semester with a maximum length of stay at one site of 12 weeks.

Students have weekly individual meetings with the EBCE Learning Center teacher to relate job site experiences with academic instruction, to evaluate the previous week's work, to plan the following weeks work and to work on career planning.

MD Self-Contained with Little Integration (8601, 8602) Non Credited Grades 9, 10, 11, 12

Prerequisite: Staffing Team Approval

The Self-Contained Mental Disabilities program at Newton Senior High School serves students that generally require special education instruction on a full-time basis. Functional, life and academic skills will be stressed in the classroom. Those skills may be expanded and practiced through extensive community based activities. All domain areas will be attempted: academic, vocational, recreation/leisure, community, and domestic. Students will be enrolled in other classes whenever appropriate depending upon their aptitudes, needs, and interests. Those classes most frequently include either regular or adaptive Physical Education, Music, Art, and Industrial Technology.

The student's Individual Educational Program (IEP) will provide direction toward meeting established competency based graduation requirements. To be awarded a diploma, students may be expected to demonstrate competency in Reading, Communication, Mathematics, Consumer Economics, Community Mobility, Vocational Work Experience, Recreation and Leisure, Daily Living Skills, and Hygiene and Grooming. In accordance with IEP goals, students unable to meet those competencies may receive a certificate of attendance in lieu of a diploma at the completion of their high school career. Progress toward meeting the competencies and earning a diploma will be monitored by the staffing team (student, parent or guardian, teacher, AEA staff, and administrator) throughout the student's high school career. A decision regarding the high school diploma will be made by the team approximately 18 months prior to the student's anticipated graduation date.

Art Skills (8710) **Industrial Arts** (8740) **Music** (8750) **Physical Education** (8760)

Prerequisite: Administration and IEP Team Approval

Graduates have more class!

