

**TURKEY VALLEY
JUNIOR-SENIOR
HIGH SCHOOL**

**COURSE GUIDE
GRADES 9-12**

Revised January 2024

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SECTION 504 NOTICE OF NONDISCRIMINATION

It is the policy of the Turkey Valley Community School District not to illegally discriminate on the basis of race, color, national origin, language, sex, disability, religion, creed, age, mental status, sexual orientation, gender identity, and socioeconomic status 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: Jay Jurrens, Superintendent, Turkey Valley Community School District, 3219 State Hwy 24, Jackson Junction, Iowa 52171, 563.776-6011

Meeting the Challenge

The Course Guide has been prepared by the faculty and administration of Turkey Valley High School so that you might successfully plan your next academic year.

As you plan, please remember your personal interests as well as your high school and career interests. The Course Guide should be used to help you create goals for yourself. Give serious thought to the kinds of courses you are considering and be sure to include parents, teachers, and counselors in your planning.

Remember to do these things as you make your plans:

1. Talk over your plans with your parents and teachers. Feel free to bring your parents to school to meet with the principal, counselor or teachers.
2. Be ready to discuss your plans with the counselor.
3. Pay particular attention to the requirements for graduation.
4. Plan wisely now for the future.
5. Use the time given to read the course guide before registering for classes.

Certain subjects must be taken by all students who expect to graduate from high school. These are called "required" subjects. There are some choices in the required subjects. The rest of the subjects are called "electives." Electives are very important since they can provide for a well-rounded education and often determine the future educational and work possibilities for the student.

Early Graduation Policy

A. Procedure

1. The student must write a letter of application to the superintendent and Board of Education requesting early graduation. The student must include the reasons and purposes for early graduation
2. The letter of application must be signed by the student and parent/or guardian.
3. An interview of the student and parents may be conducted by the superintendent, Board of Education and other members of the administrative team.
4. The decision rendered will be sent to the student and parents via a letter.
5. Early graduation requests must be received by the administration no later than May, prior to the year of graduation. Special circumstances may be approved by the administration.

B. Guidelines

1. A student must be in high school attendance for seven semesters.
2. All requirements for graduation must be completed in seven semesters.
3. A student must have satisfactorily completed seven semesters of physical education unless excused by a doctor.
4. A student may not pursue more than a normal load the seventh semester.
5. An early graduate will be considered an alumnus and not part of the school family.
6. An applicant will have a tentative schedule for the eighth semester.
7. In case the student is unable to meet the guidelines at the end of the seventh semester, he/she will be required to pursue a normal load the eighth semester.
8. When all requirements for graduation from Turkey Valley Community Schools have been met, a diploma will be presented to the graduate at a regularly scheduled Board of Education meeting or other arrangements may be made. The student may also participate in the spring graduation ceremonies, if desired, and receive their diploma at that time.

Placement In College Credit (PICC) Courses

The Placement In College Credit provides high school juniors and seniors with an opportunity to take college courses prior to high school graduation. All PICC classes are included on transcripts and included in Turkey Valley class rank and cumulative grade point average. These course offerings may be found online at www.nicc.edu/courses – click ADVANCED SEARCH. Enter the term and select the location; click SEARCH. Contract forms for college courses can be found in the guidance office.

Students may enroll in college courses under the following provisions:

- a. Placement In College Credit is intended for 11th & 12th grade students as part of their four-year plan. Freshmen and sophomores who are identified as Gifted/Talented in the district may be eligible as well. Some age restrictions may apply for classes such as CNA (Certified Nursing Assistant)
- b. The school district will pay a fee determined by the college for tuition and related course fees. Institutions who have agreed to accept PICC students have agreed not to charge over the per course billed amount. Students may be required to purchase equipment or textbooks that will be theirs to keep upon successful completion of the course.
- c. The PICC course must be one of which a comparable choice is not available at Turkey Valley.
- d. The course must be taken during the regular school year when Turkey Valley is in session. Courses taken during the summer or winterim do not qualify - with the exception of new summer health coursework.
- e. PICC courses must be taken for college credit and the course requirements must be met.
- f. The deadline for the district to pay for postsecondary courses will be the date set by the college to drop courses. Each semester the administration will determine the deadline for all paperwork to be completed and turned in to the guidance office. After this date, the student will be responsible for the cost of the course. Under special circumstances the administration may grant permission to drop a course prior to the college drop date.
- g. If the student chooses to drop the course after the 100% drop dates, the partial or full cost of the course is charged to the student and must be paid for before the end of the school year in which the course was taken.
- h. If transportation is necessary, the parent or guardian is responsible for providing transportation to and from the PICC class(s), and any additional activities involved with the class.
- i. All PICC classes will be included on transcripts
- j. All PICC grades will be included in cumulative GPA and class rank.
- k. Students taking courses that require ACT, ALEKS, or ACCUPLACER scores, must have their scores on file in the guidance office.
- l. PICC grades are part of the student's college GPA and may affect future financial aid.
- m. PICC courses/grades are considered part of the student's high school transcript.

Concurrent Classes (28E) taken at Turkey Valley –

Students taking courses with dual enrollment that are taught by Turkey Valley staff must follow these provisions:

- a. Students must complete the high school partnership registration to the post-secondary school through the guidance office as well as request the course at Turkey Valley..
- b. Students taking courses that require ACT, ACCUPLACER, or ALEKS scores, must have their scores on file in the guidance office by the last day of school, or will need to complete testing through ACT or NICC.
- c. The school district will pay a fee determined by the college for tuition and related course fees. Students may be required to purchase equipment or textbooks that will be theirs to keep upon successful completion of the course.
- d. Students are required to purchase the textbooks for concurrent enrolled courses.
- e. The deadline for the district to pay for contracted classes will be the date set by the college to drop courses. Each semester the administration will determine the deadline for all paperwork to be completed and returned to the guidance office. After this date, the student will be responsible for the cost of the course. Under special circumstances the administration may grant permission to drop a course prior to the college drop date.
- f. PICC grades are part of the student's college GPA and may affect future financial aid.
- g. PICC courses/grades are considered part of the student's high school transcript.

Registration

1. Course descriptions should be studied carefully. Required courses must be included in completing schedule forms.
2. Parent participation in the selection of courses is required via parent signature.
3. Students are required to take six subjects plus physical education each semester. If special circumstances exist, the administrative team may grant an exception to the rules.
4. A student may NOT drop a year-long subject at the end of the first semester. Special consideration will be given to students with unusual circumstances. Any decision to make this change must be approved by the teacher, parent, and counselor or principal.
5. Students have three days at the beginning of each semester to add or drop classes by completing the add/drop slip available in the guidance office. Reminder: parent signature is required to complete this form.
6. If a student has failed to satisfactorily complete a course(s), the following methods may be used to make up credit deficiencies.
 - a. Retake the course.
 - b. Carry extra subjects.
 - c. Return to school the following year for additional work.
 - d. Complete an online course through the high school.
 - e. Attend summer school, if possible.
7. Any course change in a schedule will have to be approved by the counselor, teacher and parent involved. If a change is approved, it must be made before the end of the first three days of the semester.
8. A prerequisite may be overridden by the principal, counselor, and the teacher involved if the student's request is deemed valid, appropriate, and workable.
9. Independent study courses may be created within the curriculum with administrative approval when deemed necessary for the student's best interest in his/her educational program or for the purpose of the enrichment of the curriculum.
10. Seniors may not graduate with incomplete grades.
11. Students taking courses that require an ACT, ACCUPLACER, or ALEKS score must have their scores on file in the guidance office before courses begin. The student will not be enrolled without the prerequisite scores.

Suggestions for Planning a Student's Program

1. Class meetings will be scheduled to review general registration procedures. Individual conferences are available and encouraged for the scheduling of classes. Course Guides are available from 7-12 grade teachers, study hall, media center, on the school's website, and for check-out from the guidance office.
2. Vocational and college materials are available in the counselor's office and the media center. Each student can learn about his/her own interests, vocational aims, and abilities and achievements. The KUDER Career Planning program is a great resource for 8th-12th grade students.
3. When planning his/her program, a student should consider his/her abilities. For more information the school counselor and teachers may be consulted.
4. If a student plans to further his/her education, he/she must meet certain entrance requirements. Information is available in the counselor's office to help students find these requirements or information can be researched through the internet on selected web sites. These requirements should be taken into consideration when planning a program.
5. Getting the most from high school education should be the aim of each student. This is also the goal of parents and the school. All three must be involved for the best possible program.
6. Senior Release Program — A senior release program will be available for seniors in good standing who have the beginning of the day or the end of the day free. Arrangements are made on a semester basis. Forms are available in the guidance office.

Required Subjects to Be Completed Before Graduation

Courses are full year unless indicated by (Sem) - College Courses are in CAPITAL LETTERS

English— 8 Credits

1. 9th Grade English
2. 10th Grade English
3. American Literature. OR Contemporary English
4. and TWO credits of the following classes:
English Lang Arts 12 (2 credits), COLLEGE COMP 1 (1 credit)
COLLEGE COMP 2 (1 credit)
5. Electives available - Independent Literature,
Creative Writing, Mythology

Mathematics — 6 Credits

(Classes for meeting Math requirement)

1. Algebra 1 A (not offered after 2022-23 school year)
2. Algebra I B (not offered after 2023-24 school year)
3. Pre-algebra
4. Algebra I (required)
5. Math for Daily Living
6. Geometry
7. Algebra 2
8. Precalculus
9. STATISTICS (Sem)

Physical Education – 8 Semesters – 4 Credits

Health Education — 2 Credits

1. Health Education - taken at any level grade 9-12

Total Required Credits —35

Social Studies – 7 Credits

1. World Geography (Sem) (Freshman)
2. World History (Sophomore)
3. U.S. History (Junior)
4. Topics of U.S. Government (Sem)
5. One of the following semester courses during 11th or 12th
- Sociology, Psychology, Current Issues, Iowa History
PSYCH OF HUMAN RELATIONS, or
DEVELOPMENTAL PSYCH

Science – 6 Credits

(Classes for meeting Science requirement)

1. Science 9 (required)
2. Biology (required)
3. Environmental Science
4. Chemistry
5. Anatomy & Physiology (offered 25-26)
6. Physics (offered 24-25)

Vocational — 1 Credit

1. Senior Careers (Sem)

Business Education — 1 Credit

1. Personal and Career Readiness (Sem)

Total Credits Needed for Graduation - 50

Course Offerings

Once a course is available at any grade level, students in any following grade may take that course in following years.

Grade 9

REQUIRED

- Pre-algebra or Algebra 1
- English 9
- Health Ed (freshman, sophomore, junior or senior year)
- Physical Education
- Science 9
- *World Geography

ELECTIVES

- | | |
|---|---|
| <input type="checkbox"/> *Animal Science (Fall) | <input type="checkbox"/> *Food Science |
| <input type="checkbox"/> # Career Ed 9 | <input type="checkbox"/> *Fund of Ag A |
| <input type="checkbox"/> *Ceramics | <input type="checkbox"/> *Fund of Ag B |
| <input type="checkbox"/> *Child Development | <input type="checkbox"/> *Fundamentals of Art |
| <input type="checkbox"/> Concert Band | <input type="checkbox"/> *Horticulture (Fall) |
| <input type="checkbox"/> Concert Choir | <input type="checkbox"/> *Hospitality & Tourism |
| <input type="checkbox"/> *Creative Writing | <input type="checkbox"/> *Housing & Interior Design |
| <input type="checkbox"/> *Drawing/Painting | <input type="checkbox"/> *Independent Literature |
| <input type="checkbox"/> # Explore English 9 | <input type="checkbox"/> *Intro to Coding |
| <input type="checkbox"/> # Explore Mathematics 9 | <input type="checkbox"/> *Landscape Management (Spring) |
| <input type="checkbox"/> # Explore Science 9 | <input type="checkbox"/> Manufacturing I |
| <input type="checkbox"/> # Explore Social Studies 9 | <input type="checkbox"/> *Marketing Management |
| <input type="checkbox"/> # Explore Transition 9 | <input type="checkbox"/> *Mythology |
| <input type="checkbox"/> *Fabrics & Textiles I | <input type="checkbox"/> *Precision Farming Systems |
| <input type="checkbox"/> *Family Relations | <input type="checkbox"/> *Soil Science |
| <input type="checkbox"/> *Farm Business Management (Spring) | <input type="checkbox"/> Spanish I |
| <input type="checkbox"/> *Food & Nutrition | <input type="checkbox"/> *Vet Science |
| | <input type="checkbox"/> *Wildlife Management |

* Indicates Semester Courses

Teacher Recommendation

Grade 10

REQUIRED

- Algebra 1 or Geometry
- Biology I
- English 10
- Health Ed (freshman, sophomore, junior or senior year)
- Physical Education
- World History

ELECTIVES

- *Accounting 1 A
- __ *Accounting 1 B
- __ *Advanced Ceramics
- __ *Agronomy (Spring)
- __ *Animal Science (Fall)
- __ # Career Education 10
- __ *Ceramics
- __ *Child Development I
- __ *Child Development 2
- __ *Concert Band
- __ *Concert Choir
- __ *Creative Writing
- __ *Drawing
- __ # Explore English 10
- __ # Explore Mathematics 10
- __ # Explore Science 10

- __ # Explore Social Studies 10
- __ # Explore Transition 10
- __ *Fabrics & Textiles 1
- __ *Fabrics & Textiles II
- __ *Family Relations
- __ *Farm Business Mngmnt (Spring)
- __ *Food & Nutrition

- __ *Food Science
- __ *Fund of Ag A
- __ *Fund of Ag B
- __ *Fundamentals of Art
- __ *Horticulture (Fall)
- __ *Hospitality & Tourism
- __ *Housing & Interior Design
- __ *Independent Literature
- __ *Intro to Coding
- __ *Landscape Management
- __ Manufacturing I
- __ Manufacturing II
- __ *Marketing Management
- __ *Mythology
- __ *Painting
- __ *Precision Farming Systems
- __ *Publication Software
- __ *Sociology
- __ *Soil Science
- __ Spanish I
- __ Spanish II
- __ *2D Design
- __ *3D Design
- __ *Vet Science
- __ *Wildlife Management

* Indicates Semester Courses

Teacher Recommendation

Grade 11

REQUIRED

- American Literature or Contemporary English
- Health Ed (freshman, sophomore, junior or senior year)
- Physical Education
- U. S. History
- Algebra 2, Geometry, or Math for Daily Living
- Of the following five classes, one is required to graduate and can be taken as a junior or senior:
Current Issues, Sociology, Iowa History, Psychology,
DEVELOPMENTAL PSYCH, and PSYCH OF HUMAN RELATIONS.

ELECTIVES

- | | |
|--|--|
| <input type="checkbox"/> *Accounting I A | <input type="checkbox"/> Fundamentals of Art |
| <input type="checkbox"/> *Accounting I B | <input type="checkbox"/> *Horticulture (Fall) |
| <input type="checkbox"/> *Advanced Ceramics | <input type="checkbox"/> *Hospitality & Tourism |
| <input type="checkbox"/> *Advanced Foods | <input type="checkbox"/> *Housing & Interior Design |
| <input type="checkbox"/> *Agronomy (Spring) OR PRIN OF AGRONOMY | <input type="checkbox"/> *IBN |
| <input type="checkbox"/> Anatomy & Physiology (<i>will be offered 2025-26</i>) | <input type="checkbox"/> *Independent Literature |
| <input type="checkbox"/> *Animal Science (Fall) | <input type="checkbox"/> *INFORMATION COMPUTING |
| <input type="checkbox"/> # Career Education 11 | <input type="checkbox"/> Intro to Coding |
| <input type="checkbox"/> *Ceramics | <input type="checkbox"/> *√INTRO TO HEALTH OCCUPATIONS (Sem 2) |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> *Landscape Management |
| <input type="checkbox"/> *Child Development I | <input type="checkbox"/> Manufacturing I |
| <input type="checkbox"/> *Child Development II | <input type="checkbox"/> Manufacturing II |
| <input type="checkbox"/> *√ CNA I/II (Sem 1 & Sem 2) | <input type="checkbox"/> *Marketing Management |
| <input type="checkbox"/> *Computer Graphics | <input type="checkbox"/> Materials Processing |
| <input type="checkbox"/> Concert Band | <input type="checkbox"/> √ MEDICAL TERM (Sem 1) |
| <input type="checkbox"/> Concert Choir | <input type="checkbox"/> *Mythology |
| <input type="checkbox"/> *Creative Writing | <input type="checkbox"/> * √ NUTRITION (Sem 2) |
| <input type="checkbox"/> *Current Issues | <input type="checkbox"/> *Painting |
| <input type="checkbox"/> *√ DEVELOPMENT PSYCH (Sem 1) | <input type="checkbox"/> Physics (<i>will be offered in 2024-25</i>) |
| <input type="checkbox"/> * √ DOSAGE CALC (Sem 2) | <input type="checkbox"/> *Precision Farming Systems |
| <input type="checkbox"/> * √ DRAFTING (CAD) at NICC-Calmar (Sem 2) | <input type="checkbox"/> *Psychology |
| <input type="checkbox"/> *Drawing | <input type="checkbox"/> * √ PSYCH OF HUMAN RELATIONS (Sem 2) |
| <input type="checkbox"/> *Environmental Science | <input type="checkbox"/> *Publication Software |
| <input type="checkbox"/> # Explore English 11 | <input type="checkbox"/> *Sociology |
| <input type="checkbox"/> # Explore Mathematics 11 | <input type="checkbox"/> Spanish I |
| <input type="checkbox"/> # Explore Science 11 | <input type="checkbox"/> Spanish II |
| <input type="checkbox"/> # Explore Social Studies 11 | <input type="checkbox"/> Spanish III |
| <input type="checkbox"/> # Explore Transition 11 | <input type="checkbox"/> *Studio Art |
| <input type="checkbox"/> *Family Relations | <input type="checkbox"/> *2D Design |
| <input type="checkbox"/> *Farm Business Mngmnt (Spring) | <input type="checkbox"/> *3D Design |
| <input type="checkbox"/> * Food & Nutrition | <input type="checkbox"/> *Vet Science |
| <input type="checkbox"/> *Food Science | <input type="checkbox"/> *Wildlife Management |
| <input type="checkbox"/> *Fund of Ag A | <input type="checkbox"/> #Work Experience |
| <input type="checkbox"/> *Fund of Ag B | <input type="checkbox"/> *Work-based Learning |
| | <input type="checkbox"/> *World of Construction |

* Indicates Semester Courses

Teacher Recommendation

√ Indicates prerequisite in Iowa Assessment proficiency

Grade 12

REQUIRED

- *Topics of U.S. Government (Sem 1)
- *Senior Careers (Sem 1)
- Of the following five classes, one is required to graduate and can be taken as a junior or senior:
 - Current Issues, Sociology, Conflicts in American History, Psychology, DEVELOPMENTAL PSYCH, and PSYCH OF HUMAN RELATIONS.
- *2 credits of English (Either English Language Arts 12 OR COMPOSITION 1 and 2)
- *Personal and Career Readiness (Sem 1)
- Math to complete Algebra 2, Geometry, Math for Daily Living, or Precalculus

ELECTIVES

- *Accounting I A
- *Accounting I B
- *Advanced Ceramics
- *Advanced Foods
- *Agronomy (Spring) OR PRIN OF AGRONOMY
- Anatomy & Physiology (will be offered 2025-26)
- *Animal Science (Fall)
- # Career Education 11
- *Ceramics
- Chemistry
- *Child Development I
- *√ CNA I/II (Sem 1 & Sem 2)
- *Computer Graphics
- Concert Band
- Concert Choir
- *Creative Writing
- *Current Issues
- *√ DEVELOPMENT PSYCH (Sem 1)
- * √ DOSAGE CALC (Sem 2)
- * √ DRAFTING (CAD) at NICC-Calmar (Sem 2)
- *Drawing
- *Environmental Science
- # Explore English 11
- # Explore Mathematics 11
- # Explore Science 11
- # Explore Social Studies 11
- # Explore Transition 11
- *Family Relations
- *Farm Business Mngmnt (Spring)
- * Food & Nutrition
- *Food Science
- *Fund of Ag A
- *Fund of Ag B
- *Fundamentals of Art
- *Horticulture (Fall)
- *Hospitality & Tourism
- *Housing & Interior Design
- *IBN
- *Independent Literature
- *INFORMATION COMPUTING
- *Intro to Coding
- *√INTRO TO HEALTH OCCUPATIONS (Sem 2)
- *Landscape Management
- Manufacturing I
- Manufacturing II
- *Marketing Management
- Materials Processing
- √ MEDICAL TERM (Sem 1)
- *Mythology
- * √ NUTRITION (Sem 2)
- *Painting
- Physics (will be offered 2024-25)
- *Precision Farming Systems
- *Psychology
- * √ PSYCH OF HUMAN RELATIONS (Sem 2)
- *Publication Software
- *Senior Art
- *Sociology
- Spanish I
- Spanish II
- Spanish III/IV
- *STATISTICS
- *Studio Art
- *2D Design
- *3D Design
- *Vet Science
- *Wildlife Management
- #Work Experience
- *Work-based Learning
- *World of Construction

Agriculture Education

Tentative Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
Fund of Ag A - 390	Fund of Ag A - 390	Fund of Ag A - 390	Intro to Ag A - 390
Fund of Ag B - 385	Fund of Ag B - 385	Fund of Ag B - 385	Fund of Ag B - 385
	Animal Science (Fall) - 389	Animal Science (Fall) – 389	Animal Science (Fall) - 389
	Agronomy (Spring) - 372	PRIN OF AGR (Spring) - 395	PRIN OF AGR. (Spring) - 395
	Farm Business Mgmnt - 394	Farm Business Mgmnt - 394	Farm Business Mgmnt - 394
	Horticulture - 392	Horticulture - 392	Horticulture - 392
	Landscape Manage - 364	Landscape Manage - 364	Landscape Manage - 364
	Soil Science - 369	Soil Science - 369	Soil Science - 369
	Precision Farming - 366	Precision Farming -366	Precision Farming - 366
	Vet Science - 365	Vet Science - 365	Vet Science - 365
	Wildlife Management - 363	Wildlife Management - 363	Wildlife Management - 363

Course Descriptions

All agriculture courses are open to males and females. Students are encouraged to be members of the FFA. Two agriculture classes are taught at Turkey Valley and the other Ag courses are taught online through South Winneshiek.

Fund of Ag - A - SCED & Fund of Ag - B - SCED _____ 1.0 Credit each semester

Offered: grades 9-12

Introduction to Agriculture, Food and Natural Resources is the first course in the CASE (Curriculum for Agricultural Science Education) sequence of courses, which will introduce students to leadership, science, plants, animals, natural resources, and agricultural mechanics using the hands-on approach of activities, projects, and problems. It will identify their personal interests and careers in agri-science while surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning.

PRINCIPLES OF AGRONOMY - 372 _____ Spring Semester 1.0 Credit
 NICC #AGA114 3.0 College Credits

Principles of Agricultural Science - Plan is a foundation-level course that will teach students about the form and function of plant systems. Students are immersed in inquiry-based exercises filled with activities, projects, and problems to teach them to plant concepts through laboratory and practical experiences. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Lessons throughout the course will provide an overview of the field of agricultural science with a foundation in plant science. These lessons include working in teams and exploring hands-on projects. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Teachers are provided detailed professional development to facilitate instruction. Every lesson is aligned with national standards for agriculture, science, mathematics, and English language arts. Areas of study include soils, anatomy and physiology, taxonomy, growing development, reproduction, pest and disease management, and crop production and marketing. There will be required participation within Field Trip Experiences

Animal Science - (389) One Semester 1.0 Credit

Prerequisite: Intro to Ag (recommended to be taken the year right after Fund of Ag) 2-semester course

Animal Science is a foundation-level course designed to engage students in hands-on laboratories and activities to explore the world of animal agriculture. Throughout the course, students will develop a comprehensive Producer's Management Guide for an animal of their choice. Student experience will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional and world markets. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel face in their respective careers. Students will investigate, experience, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. Teachers are provided detailed, professional development to facilitate instruction. Every lesson is aligned with national standards for agriculture, science, mathematics, and English language arts. Areas of study include history and use of animals, animal handling and safety, cells and tissues, animal nutrition, animal reproduction, genetics, animal health, animal products, selection, and marketing.

Farm Business Management - 394 Spring Semester 1.0 Credit

Prerequisite: Fund of Ag

This class deals with financial analysis, cash flow, risk management, decision-making and record keeping, taxes, marketing, and investments. Environmental and legal concerns of agriculture will be covered. Time will be spent working in the computer lab.

Horticulture (Spring) - 392 Spring Semester 1.0 Credit

Prerequisite: Fund of Ag

Introductory horticulture principles will be taught in this course. Students will learn the basics of plant science including parts of the plant, environmental requirements for plant growth, and career exploration in horticulture. Additionally, concepts such as pests, pesticides, herbicides, disease and pruning will be covered. Activities will include classroom instruction, discussion, and laboratory work.

Landscape Management (Fall) - 364 One Semester 1.0 Credit

Prerequisite:

Landscape management includes instruction in site analysis, design process plant selection, landscaping styles, maintenance management, estimating for maintenance, tools, irrigation, trees and shrubs, pruning, plant nutrition, fertilizer, pesticides, and turf management.

Precision Farming Systems One Semester 1.0 Credit

Prerequisite: Fund of Ag

Fundamental processes of Global Positioning Systems (GPS) with emphasis on its application to agriculture will be covered. General technical aspects of the GPS satellites, differential correction, and hardware will be covered. The specific application of this technology in agriculture for mapping, navigation, variable rate technology (VRT), and data collection will be discussed and demonstrated. Topics will include yield monitoring and mapping, soil sampling and analysis, remote sensing, computers, and geographical information systems, variable rate technologies and issues related to site-specific agriculture.

Vet Science One Semester 1.0 Credit

Prerequisite: recommended to have Animal Science

Vet Science course is offered as an elective for students wanting a deeper appreciation of Animal Science. The class will go into more specific material about animal anatomy, digestive, reproductive systems. During Vet Science you will witness the slaughtering process of animals. The course will be offering proper handling of various livestock. The student will be able to identify cuts of meats. There will be required field trip participation.

Wildlife Management

One Semester 1.0 Credit

Prerequisite: recommended to have Animal Science

Wildlife management includes environmental resources including laws and regulations and habitat destruction. It also includes habitat conservation and management, forests, grasslands, wetlands, population ecology, maps and surveys. Identification of game and bird, predator and furbearer, non-game, and waterfowl is included. Topics that are also covered include diseases and parasites, hunting and fishing regulations, aquatic plants, products, and species.

Art

Suggested Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
*Fundamentals of Art - 540	*Fundamentals of Art – 540	*Fundamentals of Art - 540	*Fundamentals of Art - 540
*Drawing/Painting – 542	*Drawing/Painting – 542	*Drawing/Painting – 542	*Drawing/Painting – 542
*2D Design - 545	*2D Design - 545	*2D Design - 545	*2D Design - 545
*3D Design - 547	*3D Design - 547	*3D Design - 547	*3D Design - 547
*Ceramics - 550	*Ceramics - 550	*Ceramics - 550	*Ceramics - 550
		*Advanced Ceramics - 552	*Advanced Ceramics - 552
		*Studio Art – 555	*Studio Art – 555
			*Senior Art - 558

*Indicates a semester course

Course Descriptions

Fundamentals of Art - 540

One Semester 1.0 Credit

Prerequisite: None

Content: This is an introductory course designed to help the student develop an understanding of the creative process through creating and responding to artwork. Emphasis will be placed on the basic elements of art and principles of design while creating art. Historical and contemporary artists and styles will be incorporated into many projects in order to provide an appreciation of art history, cultural and artistic expression.

Activities: Students will experience a wide variety of materials and methods of making art. Class time will be devoted to demonstrations and exploration into the different ways to create art. Google Classroom will be used as a resource for materials and assignments.

Out of class time required: As needed to complete assignments.

Evaluation: Based largely on student attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Drawing - 541

One Semester 1.0 Credit

Prerequisite: Fundamentals of Art or Teacher approval

Content: This course is intended to build drawing skills. Areas of study will include basic techniques of drawing using a variety of drawing tools and media. Students will develop their abilities to make effective choices concerning subject matter while using the elements and principles of design learned in Fundamentals of Art.

Activities: Sketchbooks are required. pencil, charcoal, conte, pastels, pen and ink.

Out of class time required: As needed to complete assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Painting- 544 _____ One Semester 1.0 Credit

Prerequisite: Fundamentals of Art or Teacher approval

Content: This course is intended to build painting skills. Areas of study will include basic techniques of painting in watercolor, acrylic and possibly oil painting. Students will develop their abilities to make effective choices concerning subject matter while using the elements and principles of design learned in Fundamentals of Art.

Activities: watercolor, acrylic, oil.

Out of class time required: As needed to complete assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

2D Design - 545 _____ One Semester 1.0 Credit

Prerequisite: Fundamentals of Art or Teacher approval

Content: This course is for students who would like to explore options in creating art with a variety of media. Students will develop their abilities to make effective choices concerning design, subject matter, technique, and composition while working in 2-dimensional processes.

Activities: Included but not limited to: Printmaking, photography, collage, digital art, textiles.

Out of class time required: As needed to complete all assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

3D Design - 547 _____ One Semester 1.0 Credit

Prerequisite: Fundamentals of Art or Teacher approval

Content: This course is for students who would like to explore options in creating 3 dimensional art with a variety of media. Students will develop their abilities to make effective choices concerning design, subject matter, technique, and composition while working in 3-dimensional processes.

Activities: Included but not limited to: paper mache, plaster, clay, wire, repurposed materials, jewelry, clay

Out of class time required: As needed to complete all assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Ceramics - 550 _____ One Semester 1.0 Credit

Prerequisite: Fundamentals of Art

Class size limit: 12 students

Content: In this course, students will develop skills in working with clay using hand-building, wheel-throwing, and sculptural techniques. Learning will focus on the processes of clay work including use of decoration methods, glaze finishes, and the firing process.

Activities: Hand-building using coil, slab, molds. Wheel-throwing, sculptural form

Out of class time required: As needed to complete assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Advanced Ceramics - 552 _____ One Semester 1.0 Credit

Prerequisite: Ceramics and be 11th or 12th grade

Class size limit: 12 students

Content: The emphasis in this course will be the application of clay processes learned in ceramics. Students will explore form, aesthetics and function of the ceramic art form while exploring the history of ceramic artists

Activities: Higher level projects in hand-building, wheel-throwing, sculptural form

Out of class time required: As needed to complete assignments..

Evaluation: Based largely on the student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Studio Art - 555 _____ One Semester 1.0 Credit

Prerequisite: Fundamentals of Art and 1 other art course with a B average

Content: This course is an independent study course for serious art students who would like to explore an area of art that interests them. Students must be able to work independently, using the skills they have attained in former art courses.

Activities: Students will work in their chosen area of interests.

Out of class time required: As needed to complete assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Senior Art I/II - 558/557 _____ One Semester 1.0 Credit

Prerequisites: Fundamentals of Art and two additional art classes with a “B” average

Content: This course is an independent study course for Senior art students who would like to explore an area of art that interests them. Students must be able to work independently, using the skills they have attained in former art courses.

Activities: Students will explore and work independently in their chosen area or areas of interest.

Out of class time required: As needed to complete assignments.

Evaluation: Based largely on student's attitude and productivity. Students will maintain an online portfolio and be involved in class critiques and self evaluations.

Business Education

Course Offerings by Grade Level

Grade 9

*Marketing Management – 272

*Intro to Coding - 264

*Indicates a semester course

Grade 10

*Marketing Management - 272

*Accounting I A – 281

*Accounting I B - 283

*Public. Software - 279

*Intro to Coding - 264

Grade 11

*Marketing Mgt – 272

*Accounting I A – 281

*Accounting I B - 283

*Computer Graphics – 278

*Public. Software - 279

*Intro to Coding - 264

*AP Advanced Coding

*INFO. COMPUTING - 299

Grade 12

*Marketing Mgt - 272

*Accounting I A – 281

*Accounting I B - 283

*Computer Graphics - 278

*Public. Software - 279

*Intro to Coding - 264

*AP Advanced Coding

*INFO COMPUTING - 299

*Personal & Career Read. - 275

Course Descriptions

The business education program at Turkey Valley is a sequence of courses leading to entry level skills in the workplace or as a foundation for advanced study at a post-secondary institution. The program is articulated at all community colleges in Iowa which means that some of the courses taken at Turkey Valley will be substituted for similar courses at the community college level.

The recommended sequence and the specific courses being recommended are:

Marketing Management (semester as a freshman/sophomore)

Accounting I A and B (semester as sophomore/junior/senior)

INFORMATION COMPUTING (as a junior or senior)

Publication Software (as a sophomore/junior/senior)

Computer Graphics (semester as a junior or senior)

Personal and Career Readiness - 275 _____ One Semester 1.0 Credit

Prerequisite: None

Content: Personal Finance provides students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products they offer. The curriculum used in this course is created by UNI and the student can test at the end of the course for 3 college credits. Course content may include checking, savings, and money market accounts; loans; credit card and debit card usage, retirement, investing, and FAFSA information.

Out of class time required: Minimal

Evaluation: Class participation, attendance, and exams

Marketing Management - 272 _____ One Semester 1.0 Credit

Prerequisite: None

Content: Marketing Management provides students with work experience in fields related to marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Out of class time required: Minimal

Evaluation: Class participation, attendance, exams, individual and group projects.

INFORMATION COMPUTING - 299 _____ One Semester 1.0 Credit

NICC #CSC116

3.0 College Credits

Prerequisite: Students must earn a proficiency level in reading, math and science on the Iowa Assessments.

Content: The content of this course is determined by NICC and will include working with Windows and Microsoft Office 2016 as a basis for the course. Programs studied will include, but not necessarily be limited to, Word (word processor), Excel (spreadsheet), Access (data base), and PowerPoint (presentation program). The course description from NICC is as follows:

"Deals with advanced data processing concepts and the major applications for business. Practical applications will include software packages for spreadsheets, word processing, data base management, presentation graphics and charting.

The overall course goal is to develop a deeper understanding of the practical side of data processing by providing for as much hands-on experience with selected business application software as possible."

Computer Graphics/Publication Software - 278 _____ One Semester 1.0 Credit

Prerequisite: None (This class is open to juniors and seniors.)

Class size limit: 18 students

Content: The class will provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising and TV/video. Typical course topics include modeling, image retouching and video creation. Also, this class provides an overview of publication design concepts through hands-on exercises. Covers basic word processing and typographical conventions, page layout elements that streamline production, advanced procedures when working with boxes, and procedures for creating or formatting long documents."

Out of class time required: No out of class time will be required, but lab time will be available for students during their study halls.

Evaluation: Students will be evaluated on standard of proficiency norms for each area (project-based rubrics).

Intro to Coding - _____ One Semester 1.0 Credit

ProjectStem has been designed as a semester-long high school course that fully addresses the seven "Big Ideas" of computer science and six "Computational Thinking Practices," as specified by the College Board's AP Computer Science Principles curriculum framework. The lessons and materials used throughout this course incorporate Project-Based Learning (PBL), a pedagogical approach that actively engages students in the educational process, improves retention, and develops problem solving, critical thinking, and group communication skills. Through this collaborative, learner-centric approach, students are encouraged to explore the advantages and societal impact of computational technology while developing their own programming and computational thinking skills. If interested in Robotics Club, this course would be beneficial.

Out of class time required: No out of class time will be required, but lab time will be available for students during their study halls.

Evaluation: Students will be evaluated on standard of proficiency norms for each area (project-based rubrics).

AP Advanced Coding: One Year 2.0 credits

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Out of class time required: Minimal

Evaluation: Class participation, attendance, AP exam, AP College board on-line course

Accounting I A 281 One Semester 1.0 Credit

Prerequisite: None

Content: The course is especially designed to provide general vocational preparation for business, especially positions as bookkeepers, bookkeeping clerks or accountants. Principles and terminology used will enable students to interpret records. This course teaches valuable skills that can be used as a springboard for students entering the world of work immediately upon graduation, as a prerequisite for Accounting II, or as a foundation for those planning to attend post-secondary education in the business field. This course is required for those intending to take Accounting II.

Activities: Individual and group work, daily practice problems used to simulate an office environment. A computerized accounting program is introduced.

Out of class time required: Class time is generally provided; however, occasionally homework will be assigned

Evaluation: Daily work, problem tests, objective unit tests, and attendance.

These courses combine to create a one-year course and completion of both semesters is required to receive credit.

Accounting I B - 283 One Semester 1.0 Credit

Prerequisite: A "C" average in Accounting I A

Content: The course has several objectives in mind. The course will prepare the student with sufficient fundamentals in accounting so that one can become an accounting clerk or an accountant's assistant upon graduation from high school. Secondly, it will provide for the student who may major in accounting or some phase of business administration, giving them sound accounting fundamentals. (Major collegiate areas such as marketing, management and finance usually require some knowledge of accounting theory and practice.) Third, this course will broaden and improve knowledge about business procedures and the use of accounting records. Fourth, it will help the student understand better the relationship between automated data processing and manual processing of accounting data.

Activities: A continuation of the program presented in Accounting I is to be expected. A departmentalized computerized accounting package will be introduced.

Out of class time required: Minimal since the class is handled as though the student is on the job.

Evaluation: Audit tests, problem tests, participation, and work product.

Description: To assist users of personal computers by diagnosing their problems in using application software packages and maintaining security requirements

English

Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
English 9 - 103	English 10 - 109	American Literature - 141	English Language Arts 12 -135
*Independent Lit - 133	*Independent Lit - 133	Contemporary English - 104	*Independent Lit - 133
*Mythology - 119	*Mythology - 119	*Mythology - 119	*Mythology - 119
*Creative Writing - 117	*Creative Writing - 117	*Creative Writing - 117	*Creative Writing - 117
#Explore English 9 - 152	#Explore English 10 - 153	#Explore English 11 - 154	#Explore English 12 - 155
		*Independent Lit - 133	*COLLEGE COMP I – 131
		*#AP English	*COLLEGE COMP II – 132
*Indicates a semester course			
# teacher recommendation			

Course Descriptions

English 9 - SCED 01001 One Year 2.0 Credits

Prerequisite: Successful completion of Language Arts 8

Content: Freshman English includes the areas of reading-literature, reading-informational text, writing, speaking and listening, and language. The literature read ranges from classical to modern. Students are expected to read independently.

Activities: Reading, composition, presentation.

Out of class time required: Varies with activities — one hour per week, average.

Evaluation: Writings, tests, quizzes, observation of individual and group work.

English 10 - SCED 01002 One Year 2.0 Credits

Prerequisite: English 9

Content: English 10 is part of the students' continuing study of reading-literature, reading-informational text, writing, speaking and listening, and language. Students develop their thinking, learning, and communication skills and become more critically aware of the power of language to shape attitudes and cultures.

Activities: Reading, composition, presentation.

Out of class time required: An average of one hour a week.

Evaluation: Writings, tests, quizzes, observation of individual and group work.

English/Language Arts 12 - SCED 01004 One Year 2.0 Credits

Prerequisite: Six semester credits of English

Content: English/Language Arts 12 courses blend composition, literature, speaking, listening, language and technology into a cohesive whole as students write critical and comparative analyses of selected literature, implement critical discussions, and develop their language arts skills. Students write a combination of technical, literary, and current event papers and gain exposure to multiple genres of literature.

Out of class time required: An average of one-two hours per week

Evaluation: Students will demonstrate growth in responding to and interacting with literature, will emphasis critical thinking and oral expression, will develop writing skills and assessment of their own needs through homework, daily quizzes, class discussions, tests, reading, and journaling.

Explore English 9, 10, 11, 12 One Year Each 2.0 Credits each

Assigned per teacher recommendation

Explore English is designed to improve students' reading comprehension, fluency, and writing skills. Students will participate in activities to develop skills in vocabulary development, communication, and the process of writing. Each student will participate in activities based on the Iowa Core Essential Elements as well as their individual goals. Core concepts will be practiced and applied across content areas such as science and social studies and applied to real world situations. Students are assigned based on district criteria.

Independent Literature - SCED 01053 One Semester 1.0 credit

Prerequisite: None, 9-12 status

Content: Independent Literature is a one semester elective English course which allows students time to read, helps them to select books to strengthen their reading backgrounds, widens their interests in genres of books, and provides an opportunity to share their discoveries in reading with other students and the instructor.

Activities: Students will be required to independently read daily, to keep a journal over books read and present informal book talks and projects, and to have weekly conferences with the teacher.

Out of class time required: Reading as needed and project work.

Evaluation: Evaluation is based on student performance in meeting established criteria for reading, sharing, journaling, conferencing, and participating in classroom activities.

Creative Writing - SCED 01104 One semester 1.0 Credit

Prerequisite: None, 9-12 status

Content: This creative writing course offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays and other forms of prose. The emphasis of the course is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others may decide to concentrate on one particular form.

Out of class time required: Writing and revision as needed to complete project work

Evaluation: Evaluation will primarily assess and direct individual student growth through pages written, revisions completed, and final drafts published

Mythology - SCED 01058 One semester 1.0 Credit

Prerequisite: None, 9-12 Status

Content: Literature courses use representative literature selections from ancient and/or modern times. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. The study of mythology is not just entertainment, but is used for many purposes. Students will discuss human nature, heroes and villains, history, allusions to the classics and modern literature, and mythological connections to astronomy, idioms and geography. Oral discussion is an integral part of literature course, and written compositions are also required.

Activities: Reading in groups and independently, class discussions, creative writing, and written/verbal responses to literature.

Out of class time required: 1-2 hours weekly

Evaluation: Evaluation will be based on writings, tests, observations, participation, and conferences.

American Literature - SCED 01054 One Year 2.0 Credits

Prerequisite: English 9 and English 10

Content: American Literature begins with the explorers and Native Americans and continues to modern literature. It reflects on the works of the French, Spanish and English explorers when America was a land of dreams. The American Literature curriculum will explain how historical events influenced literature. Connections will be made to other areas such as music, art, politics, philosophy, geography, and civics.

Activities: Essays, research papers, oral presentations, daily assignments, class participation, journal writings, tests and quizzes.

Out of class time required: An average of three to five hours per week.

Evaluation: Demonstrated growth in interacting with, and responding to literature--from daily participation to binder of student's representative work.

Contemporary English - SCED 01003 One Year 2.0 Credits

Prerequisite: English 9 and English 10

Content: This class is not considered a college prep course. Emphasis will be on reading-literature, reading-informational text, writing, speaking and listening, and language for effective communication. This class acquaints students with selected pieces of classic and contemporary literature.

Activities: Written projects, group activities, individual reading.

Out of class time required: An average of one hour per week.

Evaluation: Quality of daily assignments, participation, projects and work habits.

COLLEGE COMPOSITION I - 131 One Semester 1.0 Credit

NICC #ENG:105

3.0 NICC College Credits

College Composition I is a three credit college course offered through the Concurrent Enrollment or Post-Secondary Option Act. Offered on the Turkey Valley campus, students are enrolled at Northeast Iowa Community College for the course (14:110).

Through the PSEO Act, Turkey Valley pays the course tuition and provides textbooks. NICC outlines the course requirements.

Prerequisites: Six semester credits of English, including American Literature; and student is proficient on the ACCUPLACER or COMPASS test or have a qualifying English ACT score.

Content: College Composition I is a writing course that prepares the student for the types of communication and thought essential to academic and working world success. The course focuses on writing as a process intended to help students identify and refine their own personal writing process. This leads to writing for definition, classification, comparison and contrast, process, persuasion, evaluation, analysis, investigation and research. The student is exposed to prose written in a variety of disciplines and rhetorical contexts.

Out of class time required: Four to six hours per week.

Evaluation: NICC grading criteria, with emphasis on application of writing principles presented in text, in class, and in writing conferences.

COLLEGE COMPOSITION II - 132

One Semester .5 Credit

NICC #ENG:106

3.0 NICC College Credits

College Composition II is a three credit college course offered through the Concurrent Enrollment or Post-Secondary Option Act. Offered on the Turkey Valley campus, students are enrolled at Northeast Iowa Community College for the course (14:111). Through the PSEO Act, Turkey Valley pays the course tuition and provides textbooks. NICC outlines the basic course requirements.

Prerequisites: Six semester credits of English, including American Literature, as well as a grade of C or better in College Composition I (14:110).

Content: The course will include reinforcement of the process of composing, methods of development, aspects of style, and accuracy of expression. Students will write varied essays and a research paper. Emphasis is placed on editing, logic, persuasion and analysis. Students learn stylistic flexibility as they write compositions covering a variety of subjects and intended for various audiences and purposes.

Out of class time required: Four to six hours per week.

Evaluation: NICC grading criteria, with primary emphasis on demonstrated ability to apply writing principles presented in text, in class, and in writing conferences.

Family and Consumer Science

Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
*Food & Nutrition - 461	*Food & Nutrition – 461	*Food & Nutrition - 461	*Food & Nutrition – 461
*Food Science - 462	*Food Science - 462	*Food Science - 462	*Food Science - 462
*Family Relations – 482	*Family Relations – 482	*Family Relations – 482	*Family Relations – 482
	*Advanced Foods - 464	*Advanced Foods - 464	*Advanced Foods - 464
*Hospitality & Tour - 476	*Hospitality & Tour - 476	*Hospitality & Tour - 476	*Hospitality & Tour - 476
*Housing & Interior - 477	*Housing & Interior - 477	*Housing & Interior - 477	*Housing & Interior - 477
*Child Development I – 480	*Child Development I – 480	*Child Development I - 480	*Child Development I – 480
*Child Development II - 481	*Child Development II - 481	*Child Development II - 481	*Child Development II - 481

*Indicates a semester course

Course Descriptions

There are ten classes offered in the Family and Consumer Science Department--Food & Nutrition, Food Science, Advanced Foods, Fabrics & Textiles I, Fabrics & Textiles II, Child Development I, Child Development II, and Family Relations. Food & Nutrition must be successfully completed before taking Food Science, and Food Science taken before Advanced Foods. Child Development may be taken at any year preferably in grades 10, 11, or 12.

Food & Nutrition and Food Science, Child Development and Family Relationships are designed to be taken as a series of four sequential courses to prepare students for the world of work. The student may also continue Child Development studies with an articulated program at NICC in the program entitled Early Childhood.

Food & Nutrition - 461

One Semester 1.0 Credit

Prerequisite: None**Class size limit:** 16 students

Content: This semester course introduces you to the amazing world of food. It examines the nutritional needs of the individual. Emphasis is placed on the six main nutrients, nutrition throughout your lifespan, and careers in the culinary field. You will acquire basic culinary skills: reading a recipe, preparation skills, cooking methods, food safety, and sanitation. Language arts, mathematics, science, and social studies are reinforced.

Activities: Projects, food labs, assignments, technology, food labs, and hands-on learning experience & activities

Out of class time required: Individual projects.

Evaluation: Daily assessment on cooking labs, quizzes and tests.

Food Science - 462 _____ One Semester 1.0 Credit

Prerequisite: Student must complete Food & Nutrition with a "C" average before taking this class.

Class size limit: 16 students

Content: This semester course focuses on food preparation techniques while applying nutrition, food science, and test kitchen concepts. Students develop skills in preparing foods such as fruits, vegetables, grain products, dairy, eggs, meat, poultry, and beverages. English language arts, mathematics, and science are reinforced.

Activities: Work-based learning strategies include a real-world culinary experience, guest speakers, and field trips. Emphasis on careers, employability, and 21st Century Skills

Out of class time required: Individual projects.

Evaluation: Lab grade, tests, and quizzes.

Advanced Foods - 464 _____ One Semester 1.0 Credit

Prerequisite: Food & Nutrition and Food Science

Content: Focuses on advanced food preparation techniques while applying techniques and dishes of global foods. Students will learn about the world's food supply, food science & technology, careers in food, and the art of cooking. Students will develop skills in preparing foods such as: sandwiches, pizza, salads, casseroles, soups, foods of the United States and Canada and around the world.

Activities: Work-based learning strategies include real-world culinary experiences, guest speakers, field trips, and community service projects will be utilized when available. An opportunity for an in-school food business component allows students to apply instructional strategies. Emphasis will be placed on careers, employability, and 21st Century skills.

Fabrics & Textiles I - 471 _____ One Semester 1.0 Credit

Prerequisite: None

Class size limit: 13 students

Content: The student will be introduced to fabric terminology, sewing vocabulary, construction techniques, machine safety, quilting, and the use of a sewing machine and iron.

Activities: Each student will be given a list of projects that will be accomplished during the semester. These can change to meet the needs of the individuals in the class or change because of new advances in this field. Each student is responsible for the purchase of fabric if they do not wish to use the fabric provided. A sample portfolio of various sewing techniques will be required.

Out of class time required: None

Evaluation: Portfolio with individual and teacher assessment.

Fabrics & Textiles II - 472 _____ One Semester 1.0 Credit

Prerequisite: Student must complete Fabric Construction I with a "C" average.

Class size limit: 13 students

Content: This is a continuation of Fabrics & Textiles I which will emphasize quality, individual practice of techniques learned, and creativity. Fashion design, history, and careers in fashion will be highlighted.

Activities: Projects that entail the above techniques

Out of class time required: None

Evaluation: This is a continuation of Fabric I. Students will add samples of various techniques to their portfolio.

Child Development I - 480 _____ One Semester 1.0 Credit

Prerequisite: Must be sophomore, junior or senior

Content: The class emphasizes parenting choices, responsibilities, challenges and decision-making. Pregnancy, prenatal development, childbirth and child development through age 4 will be highlighted. There will be time in a preschool setting with students.

Activities: Lecture, note taking, worksheets, videos, guest speakers, and projects.

Out of class time required: Projects, observation and participation in preschool and classroom setting.

Evaluation: Tests, quizzes, projects and participation.

Child Development II - 481 One Semester 1.0 Credit

Prerequisite: Student must complete Child Development I with a "C" average.

Content: The main focus of the class is on child from school age through adolescence and the responsibilities of parents regarding this age child. Other topics include parenting choices, responsibilities, challenges, and decision making and particular attention toward the implications for parental behavior in regards to discipline, teaching responsibility and moral and personality development. This class will also be designed to inform and prepare for child care and teaching. Students will explore and investigate careers and employment opportunities in child development and family-related occupations. Students will also be expected to participate in labs in the elementary. Current issues within child development and parenting would also be discussed.

Activities: Lecture, note taking, worksheets, videos, guest speakers, and projects.

Out of class time required: One weekend with the Real-Care Babies.

Evaluation: Participation, observations, tests, projects.

Family Relations - 482 One Semester 1.0 Credit

Prerequisite: None

Content: This class is divided into two parts. Independent Living with an emphasis on communication skills, personality development and career choices is the first part. Part two includes all aspects of family relationships which includes relationships with parents, peers and siblings. Dating, marriage, family, conflicts, aged and death are other topics which will be covered.

Activities: Discussions, group and individual projects, guest speakers.

Out of class time required: Individual and group projects.

Evaluation: Self assessment, daily participation points, and written journal.

Hospitality & Tourism One Semester 1.0 Credit

Prerequisite: None

Course Description: Hospitality and Tourism involves all aspects of the travel, leisure, foods, and lodging industries. This class will focus on those four industries separately. Travel involves airplane, cruise ship, and train travel. Leisure is all forms of recreation including amusement parks, sports arenas, and other attractions. Restaurants and food service are in the foods industry. Lodging includes hotels and resorts for overnight stay.

Students will explore such concepts as create a theme park, design their own hotel, understand the tourism industry, create a travel itinerary, event management, and explore professional work habits needed for hospitality, tourism, and recreation careers. They will also gain an understanding of the restaurant industry through cooking, creating and designing their own restaurant and catering a meal. Students will explore potential careers in the hospitality and tourism industry. This class will include guest speakers, workplace tours, and job shadowing when available.

Housing & Interior Design One Semester 1.0 Credit

Prerequisite: None

Course Description: Housing & Interior Design will explore making wise housing choices, learn about elements and principle of design and their application to decorating choices, study floor plans, room and furniture arrangement and selection, study housing styles and architectural design, learn about universal living, as well as, consumer rights and responsibilities.

Students will gain an understanding of the elements and principles of design by choosing appropriate selections of colors, fabrics, furnishings, lighting and furniture. Students will develop skills in architectural drafting and space planning through the use of hand or computerized drafting techniques. Students will create scaled floor plans for a variety of spaces. Class projects include decorating sample rooms and designing floor plans. Students will also explore potential careers in the architecture and design fields.

Health

Course Offerings by Grade Level

Grade 9,
Health Education - 562

Grade 10,
Health Education - 562

Grade 11
Health Education - 562

Grade 12
Health Education - 562

*Indicates a semester course

Course Descriptions

Health Education - 562 _____ One Year 2.0 Credits

Prerequisite: None

Content: A required year-long course to be taken as a freshman, sophomore, junior or senior. Points of emphasis will be in the areas of personal health care, the life cycle, substance use and abuse, diseases, stress management and health and society.

Out of class time required: Required readings

Evaluation: Tests, quizzes, classroom participation, homework assignments, and projects.

Health Occupations Consortium

offered through NICC and area high schools—class size is limited

CNA I & CNA II _____ fall and spring semester offerings (grades 11-12) _____ 3.0 NICC Credits

NICC # HSB:172

1.0 High School Credit

Prerequisite: Student is proficient on the ACCUPLACER or COMPASS test or have a qualifying Reading ACT score, and age requirement of 16 years old. A background check is required and paid for by NICC. A tuberculosis screening is required 2 weeks prior to clinical start date.

Description: The course is designed to provide the knowledge and practical skills necessary to provide care and service to residents in long-term care facilities by preparing individuals to become efficient, caring members of the health-care team. Thirty hours of theory will consist of classroom lecture regarding the cares provided by a certified nurse aide. Fifteen hours in a laboratory setting will provide "hands on" experience of competencies prior to attending 30 hours in a clinical setting. The clinical experience provides students the opportunity to experience resident care in the long-term care environment. Upon successful completion of this course, students will be eligible for state licensing and can test out of skills.

Prerequisite Course for: NICC nursing clinical coursework and several other nursing programs.

MEDICAL TERMINOLOGY –fall semester only (ICN) (grades 11-12) _____ 4.0 NICC Credits

NICC #HIT:140

1.0 High School Credit

Prerequisite: Students must earn a proficiency level in reading, math and science on the Iowa Assessments.

Description: The study of medical terminology as the language of medicine with emphasis on word analysis, construction of definitions, pronunciation and spelling of medical terms.

Support course for: Respiratory Therapy and Nursing

NUTRITION – spring semester (ICN) (grades 11-12) _____ 2.0 NICC Credits

NICC#PNN:270

1.0 High School Credit

Prerequisite: Students must earn a proficiency level in reading, math and science on the Iowa Assessments.

Description: Emphasizes a practical knowledge of good nutrition and some knowledge of diet therapy; includes a background of adequate and accurate information on basic nutritional needs of the body.

Required course for: Nursing, Massage Therapy

DOSAGE CALCULATIONS – spring semester (ICN) (grades 11-12) 1.0 NICC Credit
NICC#PNN:200 1.0 High School Credit
Prerequisite: Student is proficient on the ACCUPLACER or COMPASS test or have a qualifying Math ACT score.
Description: Includes a review of fractions and decimals, conversions of metric, apothecary and household units and computations of drug dosages. The classification of drugs affecting each body system will be an integral part of this course.
Required course for: Nursing, EMT

INTRO TO HEALTH OCCUPATIONS – second semester (grades 11-12) 3.0 NICC Credits
NICC#HSC110 1.0 High School Credit
Prerequisite: None
Description: Orientation to the institutions that make up our health care system. Explores the health care system and the ethical, legal, and safety issues influencing and regulating health practice and maintenance. Explores health career pathways in therapeutic, diagnostic, health informatics, and support services.

Industrial Tech

Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
Manufacturing I - 341	Manufacturing I – 341 Manufacturing II – 352	Manufacturing I – 341 Manufacturing II – 352 Materials Processing I – 351 *World of Construction - 348 DRAFTING (C.A.D.) – 346	Manufacturing I - 341 Manufacturing II -352 Materials Processing I - 351 *World of Construction –348 DRAFTING (C.A.D.) – 346

*Indicates a semester course

Course Descriptions

Manufacturing I, Manufacturing II and Material Processing are designed to be taken as a series of three sequential courses to prepare students for the world of work in the manufacturing industry and other related areas.

Manufacturing I - 341 One Year 2.0 Credits

Prerequisite: None

Class size limit: 15 students

Content: This course is designed to help students discover and develop potential individual talents, attitudes and interest related to industry and technology. They will be introduced to computer aided drafting and students will study the manufacturing industry. During the study of this industry, students will organize their own company which will mass produce a product to be sold by the company. The class will study and complete safety tests for the woodworking equipment in the lab.

Activities: Lab work, discussion, demos, stock-holders in our company, field trip, profit-sharing.

Out of class time required: 15 to 20 minutes per day

Evaluation: Grading of individual assignments, tests, and workmanship and work habits.

Manufacturing II - 352 One Year 2.0 Credits

Prerequisite: Manufacturing I (Material Processing should not be taken the same academic year)

Class size limit: 12 students

Content: This course is designed to give the student a background in AC-DC arc welding, oxy-acetylene welding, foundry power technology and how these relate to the manufacturing industry. Areas that will be covered in welding are: stick welding, MIG welding, oxy-acetylene welding, cutting and brazing and using the plasma cutter. Students will also work in the foundry area and learn accepted foundry practices by casting projects of aluminum or pot metal. The MIG welder will be used by students to develop skills in the area of wire welding. During second semester, students will design and manufacture projects suitable to their skill level.

Activities: Lab work. Students will have assigned tasks to complete in each area. Students will be required to do a major project.

Out of class time required: Some study hall time, if needed to complete project.

Evaluation: Assigned skill development projects, work habits and project evaluation.

Participation in the Art, Industrial Tech, and Consumer Science show is required.

Materials Processing - 351 One Year 2.0 Credits

Prerequisite: Manufacturing I--should not be taken the same academic year as Man. II

Class size limit: 12 students

Content: This course is designed to give the student the opportunity to design, plan and construct a large woodworking project with a variety of woods and materials. Examples of these would be desks, entertainment center, gun cabinet, hutch and grandfather clock.

Activities: Lab work

Out of class time required: Some study hall time is needed to complete projects.

Evaluation: Assigned skill development projects, work habits, and project evaluation. Participation in the spring Art, Industrial Tech, and Consumer Science show is required.

World of Construction – 348

One Semester 1.0 Credit

Prerequisite: Manufacturing I and in grade 11 or 12**Class size limit:** 12 students

Content: This course is designed to give the student a basic understanding and skills related to residential carpentry. The student will learn skills for rough construction, finish work or both. Students will learn to read blueprints, erect buildings from construction lumber and finish as needed. Projects will be designed and constructed by the students as a class. These can vary, but must meet the expectation for the class and the instructor. Project examples: shed, playhouse, garage, calf huts, campers, ice fishing shacks, hunting shacks.

Activities: Lab work**Out of class time required:** Some study hall time may be needed to complete projects.**Evaluation:** Assigned skill development projects, work habits, and project evaluation.**DRAFTING (CAD) - 346**

One Semester 1.0 Credit

NICC# CAD:172 This course is taught on the NICC campus in Calmar.

2.0 NICC College Credits.

Prerequisite: Students must earn a proficiency level in reading, math and science on the Iowa Assessments and **AND** a minimum grade of C- in COMPUTER BUSINESS APPLICATION

Content: This course is recommended for students contemplating engineering, robotics, computer technology, electronics or any trade school or working in an area where blueprint reading or drawing is required or would be advantageous. This course includes lettering, sketching, mechanical drawing, view of objects and their techniques and application, dimensioning, sectional, and auxiliary views, threads and fasteners, working drawings, pictorial drawings, cams and gears, structural drawings, and computer aided drafting.

Activities: Labs and lectures.**Out of class time required:** Some study hall time if needed to complete assignments.**Evaluation:** Tests and individual drawing assignments.

Mathematics

Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
Algebra 1 Part A -	Algebra 1 Part B	Geometry – 213	Math for Daily Living - 204
OR Pre-algebra - 209	Algebra I - 211	Algebra 2 - 212	
Algebra I - 211	Geometry – 213	Math for Daily Living- 204	Precalculus - 229
#Explore Mathematics 9	#Explore Mathematics 10	#Explore Mathematics 11	#Explore Mathematics 12
			*STATISTICS - 216

#Teacher Recommendation

*Indicates a semester course

Course Descriptions

Pre-Algebra _____ One Year 2.0 Credits

Prerequisite: Successful completion of 8th grade math

Content: Pre-Algebra is an introductory course to Algebra and high school mathematics. Pre-Algebra is the study of order of operations, the real number system, algebraic equations and inequalities, graphing linear equations, and an introduction to statistics.

Out of class time required: 0-2 hours per week.

Evaluation: Daily work, IXL, objective tests.

Algebra I - 211 _____ One Year 2.0 Credits

Prerequisite: Students must have a “C” or higher in the previous course. Special cases may be considered by the instructor.

Content: Algebra I may fit into a number of different types of curriculum, but it is essential for a college prep student. It is a study of the properties and relations of numbers and of symbols representing numbers. The difference between algebra and arithmetic is that algebra makes greater use of symbols to represent numbers and ideas. The purpose of Algebra I is to enable a person to solve problems that would be difficult or impossible without its method.

Activities: Lectures, demonstrations and practice exercises.

Out of class time required: Maximum two hours per week.

Evaluation: Daily work, IXL, and objective tests.

Geometry - 213 _____ One Year 2.0 Credits

Prerequisite: Student must have a “C” or higher in Algebra 1 or Algebra 1 Part B. Special cases may be considered by the instructor.

Content: Geometry is the study of constructions, polygons, rigid transformations, dilations, similarity, proofs, trigonometric ratios, and conditional probability. Geometry builds on the foundations learned in Algebra I and applies them to the Cartesian plane, defining polygons, and proving geometric theorems. Geometry is an essential course, required for college.

Activities: Lectures, demonstrations, practice exercises, quizzes and tests.

Out of class time required: Maximum of 3 hours per week.

Evaluation: Daily work, IXL, and objective tests.

Algebra II - 212 _____ One Year 2.0 Credits

Prerequisite: Student must have a “C” or higher in Geometry.. Special cases may be considered by the instructor.

Content: Algebra II is the study of sequences and functions, polynomials, complex numbers, rigid transformations, trigonometric functions, and statistical inferences. Algebra II builds on the foundations learned in Algebra I and Geometry, further deepening the understanding of these mathematical concepts. Algebra II is an essential course, required for college.

Activities: Lectures, demonstrations, practice exercises, and tests.

Out of class time required: At least 30 minutes per day.

Evaluation: Daily work, IXL, and objective tests.

Math for Daily Living - 204 _____ One Year 2.0 Credits

Prerequisite: None

Content: Math for Daily Living is an elective open to all juniors and seniors. The course provides students with a knowledge of mathematical principles used in everyday life. Emphasis is placed on insurance, banking, consumer buying, investments and income tax.

Activities: Short lectures and daily assignments.

Out of class time required: None - if assignments are completed during the time provided in class.

Evaluation: Daily work, IXL, and objective tests.

Pre-Calculus - 229 _____ One Year 2.0

Credit

Prerequisite: Student must have a “C” or higher in Algebra 2. Special cases may be considered by the instructor.

Content: Pre-Calculus is an advanced high school, college prep, math course open to anyone who has successfully completed Algebra II. Pre-Calculus is the study of functions, polynomials, exponential functions, logarithmic functions, trigonometric functions, matrices, analytic geometry, discrete mathematics, statistics, probability, derivatives, and integrals. Pre-Calculus is a bridge to college level mathematics, preparing students for Calculus.

Activities: Lectures, demonstrations, practice exercises, and tests.

Out of class time required: Maximum two to four hours per week.

Evaluation: Daily work, IXL, and objective tests.

STATISTICS - 216 _____ One Semester (Fall) 1.0 Credit

Prerequisite: Students must have a “C” or higher in Algebra II, **and** student has a qualifying ALEKS math score, if offered as a college credit (3 credits) course through NICC.

Content: The course is an introduction to the basic methods of statistical reasoning. The course will help the student develop the ability to summarize data, interpret data and draw conclusions based on the data. Some topics included are: descriptive statistics, probability, discrete and continuous probability distribution, statistical sampling and sampling distribution, statistical inference, hypothesis testing, and regression and correlation.

Out of class time required: One to three hours per week.

Evaluation: Daily work and objective tests.

Explore Mathematics 9, 10, 11, 12 _____ One Year Each 2.0 Credits each

Assigned per teacher recommendation

Explore Mathematics is designed to improve students’ mathematics and financial literacy skills. Students will participate in activities to develop skills in operations with numbers and fractions, basic geometric terms, the start of writing and solving equations, collecting and organizing data, basic probability and financial literacy. Each student will participate in activities based on the Iowa Core Essential Elements as well as their individual goals. Core concepts will be practiced and applied across content areas and applied to real world situations. Students are assigned based on district criteria.

Music

Course Offerings by Grade Level

Grade 9	Grade 10	Grade 11	Grade 12
Concert Band - 511	Concert Band – 511	Concert Band – 511	Concert Band – 511
Concert Choir - 521	Concert Choir – 521	Concert Choir – 521	Concert Choir - 521

*Indicates a semester course

Course Descriptions

Concert Band - 511 One Year 2.0 Credits

Prerequisite: Previous membership in the Junior High Band or by consent of the instructor.

Content: Concert Band encompasses a wide variety of instrumental ensembles all designed to expose a student to many styles of music. The Concert Band serves as the core of the band program. Other activities which are a direct outgrowth of Concert Band membership are: private or group lessons, participation in solo and ensemble contest, large group contest, district and conference band festivals, marching band, pep band, jazz band, band trips and other social group activities.

Out of class time required: It is recommended that each student practice daily in order to adequately prepare for lessons and rehearsals.

Evaluation: Weekly performance in lessons will be the main criteria used in determining a band grade.

Concert Choir - 521 One Year 1.0 Credit

Prerequisite: None

Content: 9-12 Non-Auditioned Mixed Vocal Ensemble. Rehearsals are used to prepare music for seasonal concerts with an emphasis on personal vocal growth and the development of musical skills. Repertoire will be taught through lessons and opportunities reaffirming musical skills (healthy/ideal vocal production, ensemble blending, vowel modification, music literacy, performing practices, sight reading and aural training).

Activities: A minimum of six performances, including large group contest and graduation, as well as possible out of school appearances.

Out of class time required: Throughout the year, there will be a select number of projects and assignments assigned to aid in understanding of concepts and topics applied in this class.

Evaluation: Concert preparation in rehearsals, development/progress made in lessons and course work will be represented in the final grade.

Physical Education

Grade 9	Grade 10	Grade 11	Grade 12
Physical Education – 572	Physical Education – 572	Physical Education – 572	Physical Education – 572

Course Description

Physical Education is required each semester, each year for all grades nine through twelve. One credit is awarded for each year's successful completion of the course. A total of four (4) credits is required for graduation. Only under specific, extenuating circumstances is this graduation requirement modified.

Physical Education - 572 One Year 1.0 Credit

Prerequisite: None

Class meets every other day of two-day cycle

Content: This course introduces many different activities from which students may choose one or several to improve upon during their leisure time outside of class. The student is introduced to individual, dual and team activities, such as flag football, softball, jogging, badminton, volleyball, table tennis, the study of exercise, track and field, aerobics, basketball, floor hockey, weight training, archery, floor games and the President's Council on Physical Fitness testing. The student will spend 40% of their physical education class in the fitness center.

Evaluation: Daily evaluation by instructor that includes: active participation and attendance.

Science

Course offerings by Grade Level - Physics and Anatomy & Physiology may be offered every other year

Grade 9	Grade 10	Grade 11	Grade 12
Science - 9 - 304	Biology I - 311	Anatomy & Physiology – 314	Anatomy & Physiology – 314
#Explore Science 9	#Explore Science 10	#Explore Science 11	#Explore Science 12
		Environmental Science - 318	Environmental Science - 318
#Teacher Recommendation		Chemistry – 320	Chemistry – 320
*Indicates a semester course		Physics – 321	Physics – 321

Course Descriptions

Science - 9 - 304 _____ One Year 2.0 Credits

Prerequisite: None

Content: This course serves as a foundation for chemistry and physics. The areas covered during the year are systems of measure, astronomy, and chemistry.

Activities: Experiments, demonstrations, outside activities in astronomy.

Out of class time required: 1-2 hours per week.

Evaluation: Tests, daily work, worksheets, and group and individual projects.

Biology - 311 _____ One Year 2.0 Credits

Prerequisite: None

Content: Biology is the study of all living things. Coursework includes cell biology and genetics. The student is encouraged to develop scientific skills through labs, activities, demonstrations, and observations..

Activities: Vocabulary, class notes, drawings, lab assignments, worksheets, and group and individual projects.

Out of class time required: 2-3 hours per week

Evaluation: Drawings, labs, quizzes, tests, daily work and binder.

Anatomy & Physiology- 314 Offered 2025-26 _____ One Year 2.0 Credits

Prerequisite: Students must have a "C" in Biology or the instructor's approval. Limit of 20 students per section.

Content: This course is primarily a college preparation course. The coursework includes traditional work in anatomy and physiology with an emphasis on the structure and functions of select human body systems.

Activities: Lectures, cat dissections, projects

Out of class time required: Minimum of two hours per week

Evaluation: Tests, dissection, daily work, projects and presentations.

Environmental Science - 318 _____ One Year 2.0 Credits

Prerequisite: Biology

The purpose of this class is to expose students to a variety of current environmental issues. Topics covered in this class include biomes, ecosystems, climate change, water quality, air quality, land quality, nonrenewable and renewable resources, ecosystems, the 3 R's (Reduce, Recycle, Reuse), preserving the environment, population problems, making healthy and environmentally sound choices, and others. The course information is presented through text, daily work, notes, participation, projects and quizzes. This class is a year long.

Activities: Lectures, lab activities, projects, journals, tests.

Out of class time required: Minimum of two hours per week.

Chemistry - 320 _____ One Year 2.0 Credits

Prerequisite: Algebra I

Content: This course is primarily a college preparation course. The course consists of the study of atoms regarding energy and matter, atomic structure, periodic table, mathematics of chemistry, kinetic theory, equilibrium, acid-base theories, organic chemistry, and forensics.

Activities: Application of theories studied in the course is carried out in frequent lab sessions.

Out of class time required: Minimum of two hours.

Evaluation: Tests, quizzes, lab work and projects.

Physics - 321 _____ **Offered 2024-2025** _____ One Year 2.0 Credits

Prerequisite: Algebra I and Algebra II (or currently enrolled in Algebra II)

Content: This course strives to give the student an understanding of the physical laws fundamental to all the sciences. The general areas include aerolab, energy, waves, light, electricity, electronics, kinematics and dynamics.

Activities: Lectures, lab activities, projects.

Out of class time required: Minimum of two hours per week.

Evaluation: Tests, daily work (problems), lab experiments and projects.

Explore Science 9, 10, 11, 12 _____ One Year Each 2.0 Credits each

Assigned per teacher recommendation

Explore Science is designed to provide students with the skills and opportunities they need to read, write, think, and apply science in their everyday lives. The course provides the factual foundation necessary to understanding the principles of science discussed in the course. Units of study will focus on physical science, biology, and chemistry. Each student will participate in activities based on the Iowa Core Essential Elements. Connections to students' lives will be woven throughout the course. Students are assigned based on district criteria.

Social Studies

Course Descriptions by Grade Level

Grade 9

*World Geography - 412

#Explore Social Studies 9

#Teacher Recommendation

*Indicates a semester course

Grade 10

World History - 416

#Explore Social Studies 10

Grade 11

U.S. History - 402

#Explore Social Studies 11

*Psychology – 420

*Current Issues– 408

*Sociology – 424

*Iowa History

*DEV PSYCH – 582

*PSYCH-HUM RELATIONS-584 *PSYCH-HUM RELATIONS-584

Grade 12

*Topics of U.S. Government

#Explore Social Studies 12

*Psychology - 420

*Current Issues - 408

*Sociology – 424

*Iowa History

*DEV PSYCH - 582

Course Descriptions

World Geography - 412 _____ One Semester 1.0 Credit

Prerequisite: None

Content: Provides students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods and ideas. Current events are also included.

Activities: Students will also participate in writing exercises, reading strategies activities, and cooperative learning projects.

Out of Class time required: 2 -3 hours per week

Evaluation: Tests, quizzes, map tests, assignments, readings, classroom participation, and performance-based assessments.

World History - 416 _____ One Year 2.0 Credits

Prerequisite: None

Content: Units of study are structured around a survey of our heritage from the first human societies to the present day. The course focuses on the development of Western and non-Western civilizations and the evolution of modern global conditions. Topics include the earliest human societies, the beginning of civilization, early Western society, major Asian, African, and American cultures, and the development of the modern world's political, social, economic, cultural conditions, and international relations. A major purpose of the course is an understanding of the world we live in, how we got where we are today, and a sense of what the future might hold.

Activities: Learning activities will include a variety of instructional strategies to engage a wide variety of diverse learners.

There may be one/two major projects/presentations each semester.

Out of class time required: 2 hours per week

Evaluation: Unit tests, chapter quizzes, writing assignments, performance-based assessments, and presentations.

U. S. History - 402 _____ One Year 2.0 Credits

Prerequisite: None

Content: Units of study are structured around time periods and eras in America's past. Examples include: American Independence, the Constitution, Economy and Regionalism, Civil War and Reconstruction, Western Expansion, The Early 1900's and World War I, the 1920's and the Depression Era, World War II and the Cold War, and the Vietnam Era.

Activities: Learning activities will include a variety of strategies in analyzing chronological events. Material will be acquired through Internet sources, the U.S. History textbook, videos, and various library resources. Periodically, students will be assigned both individual and group projects covering historical topics. These include: Civil War Battles, Native American Tribes, the Wild West, changes in American society, and World War II Studies.

Out of class time required: 2 - 3 hours per week

Evaluation: Unit tests, section quizzes, assignments, writings, presentations, and performance-based assessments.

Topics of U.S. Government - 404 _____ One Semester 1.0 Credit

Prerequisite: None

Content: The purpose of this course is to introduce students to the history and current structure of the American governmental system and to encourage participation in their society. U.S. Government classes will begin by discussing the foundations of American government --such as its origins and the Constitution. Students will also discuss political behavior such as voter behavior and the electoral process. Finally, students will learn about the three branches of government. Current events will also be a part of the course to keep students aware of what's going on in their world.

Out of class time required: 1 hour per week.

Activities: Lectures, discussion, group activities, and current events.

Evaluation: Exams, daily work, and amount and quality of participation in classroom discussions.

Current Issues - 408 _____ One Semester 1.0 Credit

Prerequisite: None

Content: Studies the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

Activities: Individual and group analysis of issues, readings, critical viewing, research, and problem solving.

Out of class time required: 2 hours per week

Evaluation: Discussions, debates, presentations and weekly reading assignments.

Psychology - 420 _____ One Semester 1.0 Credit

Prerequisite: None

(It is recommended, but not required that Sociology - 865 be taken first.)

Content: This course is designed primarily for the student who intends to enter a four year college. The course text is a college textbook. This course is designed to introduce students to the study of human behavior and mental processes. The class will begin with an examination of the biological basis of behavior including the brain, the nervous system and the senses. In the behavior units, the students will examine sleep, dreams, conditioning, learning, memory, intelligence, motivation and emotion. The final section will be dedicated to personality, stress, psychological disorders and types of therapies.

Activities: Discussion, group activities, research, and out of class assignments and projects.

Evaluation: Tests, quizzes, and daily work.

Sociology - 424 _____ One Semester 1.0 Credit

Prerequisite: None

Content: This course is designed to survey human behavior in group settings as well as problems groups may cause in society. The class will study behavior and interactions in a variety of situations and settings.

Activities: Discussion, group activities and research..

Evaluation: Tests, quizzes, daily work and a research paper.

Iowa History _____ One Semester 1.0 credit

Prerequisite: None

Content: A one semester course that focuses on the history of the state of Iowa. We will look at its foundation, follow it along its progressive history to the role Iowa plays in the world today.

Out of class time required: 2 hours per week average

Activities: Reading, individual and group projects and activities, listening, guest speakers, field trips

Evaluation: participation, presentation, projects

DEVELOPMENTAL PSYCHOLOGY - 582 _____ Semester One 1.0 Credit

NICC #PSY:121

3 NICC College Credits

Prerequisite: Students must earn a proficiency level in reading, math and science on the Iowa Assessments.

An introductory course in human growth and development throughout the lifespan, including genetics, health, family, social networks and other determinants of development; includes theories and theorists.

PSYCHOLOGY OF HUMAN RELATIONS- 584 _____ Semester Two 1.0 Credit

NICC #PSY:112

3 NICC College Credits

Prerequisite Students must earn a proficiency level in reading, math and science on the Iowa Assessments.

Covers all types of interactions among people—their conflicts, cooperative efforts and group relations. It is the study of those beliefs, attitudes and behaviors that cause interpersonal conflict in our personal lives and in work-related situations.

Explore Social Studies 9, 10, 11, 12 _____ One Year Each 2.0 Credits each

Assigned per teacher recommendation

Explore Social Studies is designed to help students become informed citizens of a culturally diverse nation and an interdependent world. In this course, students experience and investigate key social studies concepts. Units of study will focus on Civics, Economics, American History, World History, and Geography. Students will study the societies, ideas, and issues regarding the developing world and will focus on the diversity of human interaction. Connections to students' lives will be woven throughout the course. Students are assigned based on district criteria.

Spanish

Course Offerings by Grade Level

Grade 9

Spanish I - 191

Grade 10

Spanish II – 192

Grade 11

Spanish III - 193

Grade 12

Spanish IV - 194

Course Descriptions

Spanish I - 191 _____ One Year 2.0 Credits

Prerequisite: No less than a "C-" average in previous year's English classes, both semesters and students must earn a proficiency level in reading, written expression and vocabulary on the Iowa Assessments.

Content: Through this course, the student will be introduced to pronunciation, basic vocabulary, and grammar of the Spanish language. The student will become familiar with good sentence structure in present tense and will be introduced to past tense. The student will learn how to ask and answer basic Spanish questions.

Activities: Drills in groups, short readings, games, vocabulary, flashcards, dialogue.

Out of class time required: Oral practice of daily lessons, some written exercises, 15-20 minutes of nightly review is recommended.

Evaluation: Tests, quizzes, student presentations, homework and daily participation.

Spanish II - 192 _____ One Year 2.0 Credits

Prerequisite: No less than a "C-" average in Spanish I both semesters.

Content: Students will refine skills in pronunciation, vocabulary, and grammar of the Spanish language. Students will be expected to read, speak and write in Spanish. The students will learn the past, present, future, command and progressive tenses. They will learn to use pronouns correctly in oral and written Spanish. It is recommended that students do not skip years between Spanish I and Spanish II.

Activities: Drills, readings, vocabulary, flashcards, dialogues, games.

Out of class time required: Written work and oral practice as assigned, and 20-30 minutes of note review per night.

Evaluation: Written and oral quizzes and tests, daily participation. Emphasis on progress made.

****NOTE:** Students must pass with at least a "C-" in each semester of Spanish I and II to satisfy college/university requirements. A grade of B or higher is recommended when considering Spanish III.

Spanish III/IV - (193-194) _____ One Year 2.0 Credits

Prerequisite: No less than a "C-" average in Spanish I and Spanish II both semesters. A "B" or higher is recommended in both Spanish I and II in order to be successful in Spanish III and IV.

The curriculum for Spanish III/IV will be on a two-year rotation. Review of verb form and grammar will be done with readings, conversation, written exercises and dialogues. By the end of the year, students should gain confidence in the present, progressive, preterit, imperfect, future, conditional and subjective tests.

Content: Students will master skills taught in Spanish I and Spanish II. Students will be expected to read, write, and speak in Spanish and to complete projects. It is recommended that students not skip years between Spanish II and Spanish III/IV.

Activities: Reading of short stories, poems, novels and essays; presentation of dialogues and plays; writing of diaries and compositions; monthly oral discussions; elementary teaching or optional independent project as able to schedule; review of grammar, vocabulary and verb tenses.

Out of class time required: Written work and oral practice as assigned, 3-4 hours per week is suggested.

Evaluation: Oral and written tests, daily participation, projects, quizzes, homework, class activities and 3-ring binder.

Foreign Language Admission Requirements to Iowa State, University of Iowa and University of Northern Iowa

•**Iowa State admission** – 2 years of a single foreign language are required for admission to the College of Liberal Arts and Sciences and the College of Engineering. Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, or Human Sciences. For many degrees, the third or fourth year of proficiency is required for graduation. Check with the program area.

•**University of Iowa admission** – 2 years of a single foreign language are required for admission. For many degrees, the fourth year of proficiency is required for graduation. Nursing - 3 years in a single language or two years each in two different languages. For many degrees, the third or fourth year of proficiency is required for graduation. Check with the program area.

•**University of Northern Iowa admission** – Foreign language courses are not required for admission. However, two years of a foreign language in high school with a C- or above in the last term will meet the university graduation requirement. However, two years of foreign language in high school with a C- or above in the last term may meet the university graduation requirements.

- *Additional years of a foreign language may be required for specific majors to graduate.*
- *For requirements to other colleges, see the guidance counselor or visit the college's website.*

Advanced Placement Courses to be offered at Turkey Valley High School

Turkey Valley High School offers Advanced Placement (AP) courses through the Iowa Online Academy to qualifying juniors and seniors. Enrollment for AP classes should be completed with the scheduling information in the spring. Interested students should see Mr. Wenthold for more information or to get registered.

Year-long courses are: AP Biology, AP Calculus AB, AP Chemistry, AP English Language & Composition, AP English Literature & Composition, AP Physics B, AP Statistics, AP Spanish, and AP U.S. History.

Semester-long courses are: AP Macroeconomics, AP Microeconomics, AP U.S. Government, and AP Psychology. (All IOAPA courses have been approved through the College Board audit system.)

Vocational

Senior Careers - 125 _____ One Semester 1.0 Credit

Prerequisite: Must be a senior

Content: Senior Career Communications is a required class for seniors which will focus on but will not be limited to the following: communications for the job, resumes and interviewing; citizenship and community service; career selection,

Activities: Producing a resume, practice interviews; service projects; career exploration; formal presentations; attend two community meetings, and creation of a personal portfolio.

Out of class time required: Varied; there is a requirement for volunteering which will happen outside of class (& likely outside of the school day), and a requirement to attend a school board meeting.

Evaluation: Student work assessed on a points basis.

Education Resource Center

Must have approval of the instructor

Grade 9	Grade 10	Grade 11	Grade 12
*Job Shadow - 90	*Job Shadow - 90	*Work Experience – 92	*Work Experience - 92
		*Work Based Learning - 93	*Work Based Learning - 93
*Career Education 9 - 83	*Career Education 10 - 84	*Career Education 11 – 85	*Career Education 12 - 86
#Explore Transition 9	#Explore Transition 10	#Explore Transition 11	#Explore Transition 12

*Indicates a semester course

Course Descriptions

Job Shadowing – 90 _____ One Semester 1.0 Credit

Prerequisite: Freshman or sophomore with teacher recommendation.

Content: Student will have an evaluation completed by the Work Experience Coordinator. Student will explore and report on careers of interest. Students will job shadow (on site observations) at least two jobs.

Out of class time required: None

Evaluation: Classroom participation, job shadowing worksheets, and reports.

Career Education - 83, 84, 85, 86 _____ One Semester 1.0 Credit

Prerequisite: Freshman, sophomore, junior or senior with teacher recommendation.

Content: Focus on developing individual skills in functional reading, functional math, basic written skills, daily living skills, social skills, communication skills, money management, home management, organization skills, purchasing habits, job behavior and job seeking skills, food preparation and shopping, and health care. During the course of a student's high school career, the student may take up to eight semesters of career education.

Out of class time required: One half hour per week.

Evaluation: Checklists, rubrics, tests, quizzes, classroom participation, daily assignments.

Work Experience (multiple placements)- 92 _____ One Semester 1.0 Credit per 2 Periods Worked

Prerequisite: Junior or senior with teacher recommendation (maximum 1 credit per semester)

Content: This course will help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work related skills. Students will complete course work online, as well as through on site work experiences. Students will be able to 1 credit during a semester. This course requires students to have two periods blocked off for on-site placement. Work placements will have to be approved by the course instructor and the high school principal.

Out of class time required: two periods per credit

Evaluation: Employer evaluation, attendance

Work Based Learning (single placement)- 93 _____ One Semester 1.0 Credit per 2 Periods Worked

Prerequisite: Junior or senior with teacher recommendation (maximum 1 credit per semester)

Content: This course will help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work related skills. Students will complete course work online, as well as through on site work experiences. Students will be able to 1 credit during a semester. This course requires students to have two periods blocked off for on-site placement. Work placements will have to be approved by the course instructor and the high school principal.

The Work Based Learning Experience credit can be learned through one of the following opportunities:

- Work-Experience Credit (94) -
- Earn and Learn / Apprenticeship America (code) -

Out of class time required: two periods per credit

Evaluation: Employer evaluation, attendance

Explore Transition 9, 10, 11, 12

One Year Each 2.0 Credits each

Assigned per teacher recommendation

Explore Transition is designed to help students prepare to transition to life after high school. Students will develop skills aligned with the 21st Century Iowa Core around living (daily living concepts), learning (generalizing and transferring of academic knowledge and skills to real world applications), and working (vocational and employment). Units of study will include communication skills, decision making skills, daily living skills, safety and careers exploration, setting and achieving goals, organization and time management. Students are assigned based on district criteria.



Program Manual

Updated December 2020

New Hampton Turkey Valley

What is Iowa BIG North?

- Elective course, various credits available (see below & discuss with IBN facilitator)
- Students are eligible to meet one, two, or three periods a day. Cooperating schools are New Hampton, Turkey Valley; credit(s) earned by students will be linked to their high school.
- Participating students will be expected to collaborate with peers and professionals as they explore community issues to solve real-world problems. Students may collaborate on a project with a mix of students from all or any of the participating schools.

Courses Offered

IBN English - SCED 01148 _____ **One semester 1.0 Credit**

(Elective) - teacher approval needed (can be taken multiple semesters)

Prerequisite: None, 11, 12 Status (or with teacher approval)

Content: ELA skills (reading, writing, speaking/listening, and language) and [21st century skills](#) (employability) are explored and practiced within the scope of [Iowa BIG North](#) activities.

Content is based on student participation in individually selected projects.

Activities: Communication with people and groups both inside and outside the school setting; research and application of material related to individual and group projects.

Out of class time required: Variable

Evaluation: Standard based grading as evidenced with a student developed and maintained portfolio, regular 1:1 facilitator/student conferences, and student self assessment

Research and Design (03212) Elective Science Credit (dependent on staffing)

This course provides students the opportunity to engage in more in-depth and sustained research and design of community, business, and/or government projects. Students work directly with business and community partners to take on projects, problems, and/or pursue opportunities to create something new. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards.

Universal Constructs (22152) Elective Credit

This course provides students the opportunity to engage in in-depth and more sustained projects in professional business, community, and/or government settings. Students will engage in pursuing answers to professional problems and projects while being immersed in a professional work environment. Development of 21st century and employability skills will be a strong focus of this course. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards.

Research and Technical Writing (01105, RAI approved) English Core Credit (teacher approval needed)

This course is designed to help students reach grade level, Iowa College Core and Readiness in Writing, Speaking and Listening, and Language. Students will design, create, and edit a number of written pieces including persuasive, informational, and research text. This course is competency based, meaning students will be expected to demonstrate their understanding of the standards in contextual performance for authentic audiences. Students complete the course when they have adequately demonstrated their competency in the required standards.

Analysis of Literature (01053, RAI approved) English Core Credit (teacher approval needed)

This course is designed to help students reach grade level, Iowa College Core and Readiness in Reading/Literature, Reading/Informational Text, Speaking and Listening, and Language. Students will study, explore and contextualize recurring themes in texts from the United States and around the world to understand how they impact our work, community, and society. Literary work will include fiction and non-fiction, print and non-print sources. This course is competency based, meaning students will be expected to demonstrate their understanding of the standards in contextual performance for authentic audiences. Students complete the course when they have adequately demonstrated their competency in the required standards.

College credit option:**STEM Innovator (02212) (Dependent on staffing)**

College Credit for U of I and High School Science Elective Credit

Students identify a problem of interest, verify and validate the problem through customer discovery, and establish and implement a solution. Students have the opportunity to earn 3 college credits from the University of Iowa.