

**MAY TERM
2020**

*Exploring Career
Pathways*

May Term provides unique educational opportunities during the final 5 days of the school year. The courses for May Term will provide real-life hands-on opportunities for students. Each course is aligned with one of the career pathways which are defined by the Department of Education, and based on those Standards and Benchmarks. All students grade 9-11 will be required to take a course during May Term and will have the opportunity to earn an elective 1/3 credit and a letter grade.

Agriscience and Natural Resources Pathway

Fundamentals in Meat Animal Evaluation and Preparation
Landscape Design
Wildlife and Natural Resource Careers

Arts and Communications Pathway

Careers in Clothing and Design
Photography

Business Information Management/

Marketing Pathway

Careers in Cosmetology
Sports Administration and Management

Engineering/Industrial/

Technological Sciences Pathway

Construction and Design
Discovering Engineering Fields
Trouble Shooting & Overhaul of Small Gas Engines

Family and Human Services Pathway

Emergency Management

Health Sciences Pathway

Health Occupations Education/Life Guard Training
Medical Careers

Hospitality and Tourism Pathway

Culinary Arts
Event Planning

Internships

2020 May Term Course Description

Course Title: Fundamentals of Meat Animal Evaluation and Preparation

Career Pathway: Agriculture Pathway

Career Standard: Students will learn about the variety of careers in agriculture relating to animal science from the start of the animal's life to the meat processing end as well.

Students will learn the basic principles needed to make informed decisions on quality and inferior livestock and meat products.

Description: Students will learn the principles of animal selection and what tools we have to evaluate the phenotypic and genotypic qualities of livestock species. We will then transition to see the livestock and the relationship between quality and price. Next, we will look at the meat processing side of the equation, where students will learn positive and negative attributes of meat products. Lastly, students will learn the fundamentals of meat preparation and barbeque.

Depending on available tours, we will examine feedlots, sale barns, meat processing labs, college agriculture departments, and farm operations, along with retail meat counters and restaurants.

Performance Task: Students will participate in all activities described. They will be attentive and respectful on all tours. They will have a daily journal and will create a barbeque creation at the end.

Cost/Fee: Cost for meals during field trips. Possibly other small costs.

Career Related Fields: Agriculture Producers (Livestock, Grain), Agriculture Education, Order Buyer, Meat Inspector, Vet, and a plethora of other careers.

2020 May Term Course Description

Course Title: Landscape Design

Career Pathway: Agriscience and Natural Resources Pathway

Career Standard: 1. Understand a variety of career options and how they are influenced by personal strengths, weaknesses, interests, and wants.
2. Use workplace readiness skills.

Description: Study design principles, plan, and plant a landscape(s) locally.

Performance Task:

Students will be designing a yard landscape(s) for local home(s). The course may include field trips to gain an understanding of career pathways involved in the landscaping business, local landscaping firms to explore actual landscaping procedures, and finished landscapes to view a variety of different landscape design elements. The completed project will be evaluated by the homeowner, students, and teachers.

Cost/Fees:

Career Related Fields:

Landscaper, groundskeeper, maintenance, foreman, laborers, aerator, irrigator, seeder, installer, and field supervisor.

2020 May Term Course Description

Course Title: Wildlife and Natural Resource Careers

Career Pathway: Agriscience and Natural Resources Pathway

Career Standard: Understanding strategies used in wildlife natural resource management and conservation.

Description: This is an interactive course of the study of wildlife and natural resource careers around Northwest Iowa. Students will visit various industries connected with outdoor living and natural resources. Students will engage with industry leaders and discussion will be required.

Performance Task: Students will experience various outdoor activities related to wildlife and natural resources. Students will experience multiple question and answer sessions with wildlife experts and industry leaders.

Cost/Fees: Money may be needed for lunch for off-site visits.

Career Related Fields: Conservation Officer, Wildlife Biologist, Naturalist, Park Ranger, Taxidermist, and the many careers connected to the Fishing Industry.

2020 May Term Course Description

Course Title: Careers in Clothing and Design

Career Pathway: Visual Arts and Design

Career Standard:

Students will be exploring careers in the area of Clothing and Design.

Description:

Students will visit retailers, a clothing designer, prom/bridal and tuxedo retail and rental, and someone who specializes in alterations. We will be investigating the many ways clothing is sold and distributed in America. And discuss and predict fashion trends of the future.

Performance Task:

- *Investigate Careers.
- *Prepare questions for guest speakers and tours.
- *Investigate college coursework in this area.
- *Research & Investigate successful businesses in this area.

Cost/Fee: This class will be traveling and may require students to bring money for lunch. Students have the option to bring their own sack lunch.

Related Careers: Fashion Merchandising, Apparel, and Design

2020 May Term Course Description

Course Title: Photography

Career Pathway: Arts and Communications Pathway

Career Standard: Know skills and techniques used in digital photography. Build a portfolio of their work.

Description: This is a class for students who want to experiment with their photographic visions. Students will immerse themselves in the world of digital photography. Honing digital captures skills as well as gaining comfort with the digital cameras by means of experiential learning, field trips, and guest speakers. There will be a daily excursion around the surrounding area in which students will gain practical experience shooting in different environments. After shooting each day, students will download their images onto a portable flash drive and the week will culminate on the final class session with a slideshow presentation of each student's work. It will be a great way to explore individual talents, build portfolios, and learn more about career possibilities in the photographic industry.

Performance Task: Students will learn how to capture images in different environments.
Students will learn techniques for special effects and design.
Students will learn how to put together a portfolio of work.

Cost: Money may be needed for off-site visits.

Requirement: Students **MUST** have their own digital SLR camera.

Career Related Fields: Photographers

2020 May Term Course Description

Course Title: Careers in Cosmetology

Career Pathway: Business Information Management/Marketing Pathway

Career Standard: Students will understand the prerequisites that are needed to obtain a career in cosmetology and fashion and also the variety of career options available in the field.

Description: Students will be exposed to a variety of possible career options in the fields of hair, make-up, skin care and fashion. Students will visit a variety of businesses and watch videos that encompass the field of cosmetology and fashion. Job availability and salary will also be discussed.

Performance Task:

Students will develop an understanding of career opportunities and research a career within the field. Students will observe professionals in the field and ask questions regarding the career. Students will write a daily reflection regarding the activities and knowledge acquired.

Cost: Beauty treatments or accessories (purchase is optional)

Career Related Fields:

Cosmetologist, Barber, Costume Designer, Make-up Artist/Consultant, Fashion Retailer, Jewelry and Accessories

2020 May Term Course Description

Course Title: Sports Administration and Management
Career Pathway: Business Information Management/Marketing Pathway
Career Standard: Understand the many different career fields within sports and what types of jobs fall under this profession, their level of availability, along with how to acquire these positions.

Description: Throughout the week we will be spending time focusing on many of the career-related fields in sports. Some of this time will be spent working with hands-on projects, while others will be set in a discussion format. Of the multiple topics we will be turning our attention to these include facility management and upkeep, personal fitness, technology in sports, the sociological and psychological aspects of competition, sports law, sports marketing, theories and coaching styles, along with how the mass and social media have changed sports over the years leading up to where we are at present day. We will also be discussing in length the best way to put together a portfolio that will prepare them to obtain future careers in sports related fields.

Performance Task: Students are to participate in all class-related field trips throughout the week, along with being active and willing to research actively during any discussions that take place. In addition, they will also be asked to keep records of the experiences that they encounter on class trips, tasks they are asked to perform in discussion such as coming up with a marketing plan for a college or professional sports team, and ways to better their chances and becoming involved in these types of professions. Students will be spending time both inside and outside the classroom throughout the week, highlighted with field trips to such as the local sports complexes to look at field management, and also a local fitness center.

Cost/Fees: Money for lunch, field trips.

Career Related Fields: Athletic Director, coach, administrator, physical education teacher, Athletic Trainer, lawyer, psychologist, coordinator of event management, marketing, sports journalism.

2020 May Term Course Description

Course Title: Construction and Design
Career Pathway: Engineering/Industrial/Technological/Sciences Pathway

Career Standard: Apply technical drawing skills to actual projects.
Understand the basic safety and safety operating procedures necessary for a construction project.
Understand the basic sequence of procedures necessary for a construction project.

Description: The carpentry course, a hands-on experience, will provide students with the basic skills needed to build or remodel construction projects. Participants will follow appropriate industrial safety standards and construction techniques; they will explore building costs and help select appropriate materials. Skills that will be learned may include tasks like; constructing a floor; walls; windows; and rafters; they may install siding, shingles, and drywall; and they will complete the project using a variety of finishing and painting techniques.

Students must work cooperatively and are assigned tasks as they demonstrate competency/proficiency in a particular area. Plans can be altered to meet the needs of a diverse group of students.

Performance Task:

- *Comply with shop and equipment safety rules (OSHA).
- *Estimate construction costs
- *Read and follow a plan of procedures.
- *Discuss limiting factors in construction.
- *Construct and interior floor.
- *Frame exterior walls.
- *Construct and install rafters.
- *Frame and install windows and doors.
- *Shingle roof.
- *Apply siding.
- *Hang drywall.
- *Pour cement

Career Related Fields: Carpenter, Construction Laborer, Contractor, Architect, Drywall Installer, and Brick Mason

2020 May Term Course Description

Course Title: Discovering Engineering Fields

Career Pathway: Engineering/Industrial/Technological/Sciences Pathway

Career Standard: Students will be exposed to different career opportunities related to engineering fields.

Description: The engineering field is very dynamic and offers students who enjoy math and sciences a variety of choices in future careers. This class will explore various jobs related to the field of engineering and provide students with hands-on experiences to foster their curiosity.

Performance Task:

- Understand the engineering process and how to incorporate it into a design.
- Understand how to problem solve situations to overcome problems.
- Understand how to use programs related to engineering fields.
- Create a project to withstand certain requirements.
- Keep a journal of all computations and designs.
- Perform tests on projects to withstand certain criteria

Career Related Fields: Engineers

Cost/Fees: Money for lunch, field trips

2020 May Term

Course Description

Course Title: Trouble Shooting & Small Gas Engine Repair

Career Pathway: Engineering/Industrial/Technological Sciences Pathway

Career Standard: Know methods of maintaining, servicing, and repairing small gasoline engines. Principals apply to auto farm power engines.

Description: Students will complete a lab on a small gas engine. They will disassemble and assemble a small gas engine. In addition, they will perform trouble shooting skills on a small gas engine.

Performance Task:

- Students will disassemble and assemble a small gas engine
- Students will disassemble a carburetor
- Students will tour Polaris Industries
- Students will tour two small engine repair shops
- Understand the functions of components in a variety of engines
- Understand troubleshooting procedure used to diagnose malfunctions in transportation vehicles (e.g., using test equipment to evaluate engine operation, using owner's manual to diagnose a problem)
- Understand preventative maintenance and servicing procedures for transportation vehicles (e.g., checking/changing fluids and filters, inspecting tires for damage, adjusting ignition components, replacing worn belts and hoses)
- Understand techniques of vehicle repair (e.g., removing and replacing parts, refinishing, straightening vehicles frames)
- Understand schematics, charts, graphs, part catalogs, and service repair manuals used in the maintenance, service, and repair of transportation vehicles
- Understand paperwork involved in the service repair industry (e.g., repair orders, part orders, stock reports)
- Use hand tools, power tools, and equipment commonly employed in the maintenance, service, and repair of transportation vehicles (e.g., screwdriver, air-powered impact wrench, diagnostic equipment, measuring tools).

Career Related Fields: Small Engine Repairs, Farm Equipment Technician, Auto Repair Technician

2020 May Term Course Description

Course Title: Emergency Management

Career Pathway: Human Services Pathway

Career Standard: Students will understand the levels of care that are required in local, county, and state emergency situations as well as what careers and volunteer opportunities that are available to provide care to those in emergencies. Emergencies might include injuries, motor vehicle accidents, fires, water rescues, toxic exposure, or natural disasters.

Description: Students will take many field trips around Northwest Iowa like a Hospital Emergency Room, County Jail, local Fire and Rescue, Western Iowa Tech college and Sioux City's City Management office. In culmination, students will complete a problem solving and leadership training Ariel Course. If time allows, students will be trained in hands only CPR and Basic First Aid.

Performance Task:

Cost: Students can bring sack lunches or money for lunch.

Career Related Fields:

Physicians, Physician Assistants, Registered Nurses, EMT and Paramedic, Helicopter Pilot, Flight nurse/physician, Fireman, Police Officer, City Manager, and Military Careers.

2020 May Term Course Description

Course Title: Health Occupations Education/Life Guard Training

Career Pathway: Health Sciences Pathway

Career Standard: Employability Skills: The student will understand how employability skills enhance their employment opportunities and job satisfaction. They will demonstrate key employability skills and will maintain and upgrade skills as needed.

Description: Students will learn and demonstrate knowledge of proper CPR techniques on an adult, child, and infant. Obstructed airways and advanced first aid skills will also be covered and evaluated. Swimming rescue skills will be measured both by performance and written assessments. Preventative Lifeguarding is the emphasis. Job opportunities will be presented. Upon satisfactory completion of requirements, the student will become a certified lifeguard.

Prerequisite: Must be 15 and be able to pass a swimming skills test.

Performance Task:

Students will perform:

*CPR Techniques

*Advanced First Aid

*Obstructed Airway Procedures

*Preventative Lifeguarding Skills

Cost/Fees: \$175.00 fee

Career Related Fields: Lifeguard

2020 May Term Course Description

Course Title: Medical Careers

Career Pathway: Health Sciences Pathway

Career Standard: Understand the distinctions among the various levels of care.

Description: Students will be exposed to various medical careers in and around the surrounding area. Students' interests will have a great impact on subject matter covered. Field trips will be taken to local care facilities.

Performance Task: Field trips will be taken to various health agencies, and presentations will be given by the medical profession. Reports/ Journals will be recorded after each field trip. Students may be asked to volunteer for services provided by Health Care professionals.

Cost/Fees: Can bring sack lunches or money for lunch.

Career Related Fields: Physicians, Physician Assistants, Pharmacists, Chiropractors, Dentists, Physical Therapists, Laboratory Technicians, Radiology Technicians, Registered Nurses, EMT and Paramedic, Home Health Aides, and many more.

2020 May Term Course Description

Course Title: Culinary Arts

Career Pathway: Hospitality and Tourism

Career Standard: Students will evaluate the divisions of management, marketing, and operations of restaurants and other food service areas.

Description: This is an introduction to the Food Industry. We will journey into the opportunities that exist within the culinary arts, food manufacturing, research and development and business ownership. Students will visit with leaders in this industry and will research educational options that can take your interest in food to the next level.

Performance Task: Students will:

- *Demonstrate safety and sanitation in the kitchen.
- *Prepare foods using culinary skills.
- *Investigate career opportunities in the food industry.
- *Prepare questions to ask as we tour facilities.
- *Research successful businesses within this industry.

Cost/Fees: This class will be traveling and may require students to bring money for lunch or a sack lunch.

Career Related Fields: Our class prepares for careers in restaurants, bakeries, food service departments of corporations and health related institutions as well as for the rapidly expanding field of prepackaged meals, research and development of food products, marketing, and business ownership.

2020 May Term Course Description

Course Title: Event Planning

Career Pathway: Business Information Management / Marketing Pathway

Career Standard: Exploring what goes into planning a large event
Understanding the process of planning

Description:

This May term will focus on learning what is involved with planning an event for a large number of people. Students will learn how to line up caterers, DJ's, venues etc. Students will develop their communication skills by talking to people from various places to lining up entertainment, food, etc. Students will have the opportunity to meet local caterers and event planners, learn about decorating, design and more. Finally students will put their new skills into practice by designing and carrying out an end of the school year event.

Performance Task:

- *Investigate careers
- *Prepare questions for tours
- *Research planning costs
- *Investigate successful businesses in the area
- *Plan event

Cost/Fee: This class will travel to different businesses. Students may bring money for lunch or have the option to bring a sack lunch.

Related Careers: Business owner, Entrepreneur, communications specialist

2020 May Term Course Description

Course Title: Internships

Career Pathway: Internship may be done in any of the Career Pathways.

Career Standard: Employability skills: The student will understand how employability skills enhance their employment opportunities and job satisfaction. They will demonstrate key employability skills and will maintain and upgrade skills during the 30 hours of on the job experience.

Description: Students will be exposed to the work site and to the skills needed to function in a specific job.

Prerequisite: Students must be classified as a junior for the current school year. All students must provide their own transportation to and from the job site. Students must have signed parent permission.

Performance Task:

Students will contact an employer(s) to set up the internship.
Students may be required to complete an interview.
Students will work 30 hours on the job site. Hours may be split between more than one job site.
Students will keep a daily journal
Students will write a reflection paper at the end of the job experience
Students will keep a time sheet of on the job time
Students will complete a self-evaluation
Students will turn in a final portfolio