2018-2019 Morton Jr./Sr. High School
Career and Technical Education
Course Catalog

Business Education Courses

Junior High:

Course Title: 7th Grade Business and Digital Tools- semester long
Course Description: A course that generally prepares individuals to perform basic data and text entry using standard and customized software products. Includes instruction in keyboarding skills, personal computer interactive software course used for tasks such as word processing, and spreadsheet software.

Course Title: 8th Grade Business and Digital Tools- semester long
Course Description: A course that builds on skills learned in 7th grade for individuals to perform basic data and text entry using standard and customized software products. Includes instruction in keyboarding skills, personal computer interactive software course used for tasks such as word processing, and spreadsheet software.

High School

Course Title: Personal Finance, year long
Course Description: CTE Credit, third year math elective credit--This course allows individuals to learn and apply math skills and operations to calculate discounts, mark-ups, mark-downs, verifying invoices, computing payroll, interest, and installment buying. Also includes instruction in operating the desktop 10-key calculator by touch and use this equipment for fast, efficient solutions to business math problems as well as personal financial management topics of budgeting, expense monitoring, and maintaining a personal or business checkbook

Course Title: Computer Science
Course Description: CTE Credit--This course is an introduction to computer science and software engineering for all students interested in developing software applications,

Course Title: Photography
Course Description: CTE Credit— Students in Photography will develop and expand their skills in producing both artistic and commercial photographs using digital cameras and equipment. Photography meets the credit requirements for Career and Technical Education (CTE), Fine Art, and elective graduation requirements. Adapting and updating student's skill set to the ever changing software and hardware technology is a constant goal of all the photography courses.

Course Title: Senior Communications

Course Description: CTE Credit— This course is designed to help students prepare for employment in an ever-changing world. Resumes, cover letters, job applications, and home buying are just a few of the units touched on in this real world application course.

Agriculture Education Courses

Jr. High

Course Title: JH Ag Design and Robotics
Course Description: A course that exposes individuals to use basic engineering principles and technical skills in developing and using robotics. Includes instruction in the principles of robotics, design and operational testing, system maintenance and repair procedures, and robotics computer systems.

Course Title: JH Ag. Shop
Course Description: Students will learn the basics of safety and metal working skills. Introductory level welding, measurement, and construction of various metal projects are included. Students will learn the basics of safety and wood working skills. Introductory level tool usage, measurement, and construction of various wood projects are included.

Course Title: JH Environmental Studies-
Course Description: Science based course for middle school students that focuses on environment-related issues using scientific, social scientific, or humanistic approaches or a combination. Includes instruction in the basic principles of ecology and environmental science and pollution control, natural resources, and the interactions of human beings and nature, animal adaptations and cells.

High School

Course Title: Construction
Course Description: CTE Credit- Students use industry tools and techniques to create structures from wood and other materials.

Course Title: Metal Art
Course Description: CTE Credit- Fine Arts Credit- Course to be taken as a second year shop course. Students will construct metal art projects using Plasma Cutter, and other metal-working tools in the shop.

Course Title: Welding
Course Description: CTE Credit-- Students will design, layout and fabricate projects using processes and procedures found in the metalworking industry. The individual and group

projects are modeled after industrial welding operations and are worked in a large, well-equipped classroom laboratory.

Course Title: Small Gas Engines
Course Description: CTE Credit--A course that prepares individuals to apply technical knowledge and skills to repair, service, and maintain small internal combustion engines used on portable power equipment such as lawnmowers, chain saws, rotary tillers, generators, and others.

Course Title: Metal Fabrication
Course Description: CTE Credit-- Students will expand on their technique to design, layout and fabricate projects using processes and procedures found in the metalworking industry. Project based class.

Course Title: Physical Science through Agriculture, Year Long
Course Description: Science Credit -- In this course, students will learn the key concepts of Physical Science as outlined in the next generation science standards. Students will apply the cross cutting concepts and practices to build a deep conceptual knowledge. Key concepts include Motion and Forces, Introduction to Chemistry, Adaptation of Organisms, Genetics, and Scientific Engineering Practices. An emphasis will be placed on understanding the connections between the big ideas of science and hands-on application. In addition to the Physical Science curriculum, students can also participate in class projects, ownership of animals, and gain valuable leadership skills with the opportunity to participate in FFA.

Course Title: Environmental Science, Year Long
Course Description: Science Credit, CTE Credit--This Environmental Science course is designed to be the equivalent of a one-semester, introductory course in environmental science that includes a laboratory and field investigation component. Emphasis is placed on the scientific principles, concepts, methodologies required for understanding the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them. Students have the opportunity to be involved in FFA. This is a dual credit course, in which students who earn a 2.5 or better are eligible for college credit through the PC3 Consortium.

Course Title: Floral Design- Year Long
Course Description: Fine Art Credit, CTE Credit--This course focuses on skills and knowledge needed within the floral industry. Topics to be covered include learning about design elements

and principles, making corsages, boutonnieres, bud-vase arrangements, centerpieces, and other specialty arrangements. Students have the opportunity to be involved in the FFA.

Course Title: Horticulture Science- Year Long
Course Description: Science Credit, CTE Credit--This course focuses on skills and knowledge needed within the horticulture and plant industries. Topics to be covered include plant anatomy, plant processes, US Crops, and Agribusiness. Students have the opportunity to be involved in the FFA.