

KRESA (KALAMAZOO RESA) Career and Technical Education (CTE) 2023-24 Course Descriptions

ARTS AND COMMUNICATION CAREER PATHWAY

Art & Design Career Skills

This course allows students to explore and perfect skills in various art media, use professional quality art materials, work on Macintosh computers and tablets, and learn the Adobe Creative Suite programs including Photoshop, Illustrator, and InDesign. Students will attend trips to art exhibitions and performances, design firms and school of art tours. Students will research various post-secondary programs and careers in commercial art and design, which may include animation, digital art, fashion design, graphic design, interior design, photography, printmaking, visual art and more. Designers working in the industry, as well as representatives from post-secondary institutions will visit the classroom to consult with students. Students will create a resume, assemble a professional portfolio, and attend a portfolio review in preparation for college admissions and internships.

This class may be taken for multiple years.

**Potential for articulated credits with Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math*

**Visual Performing & Applied Arts Credit*

This is an Early/Middle College eligible program.

Media Production

This course is ideal for students who want to learn how to create media content using visual, audio, graphic and storytelling production techniques for internet, podcasting, television, and film. Students will gain work experience in such skills as video editing, audio production, video composition, graphic design, effective communication and more. This class provides students with the opportunity to enter local and national competitions as well as airing student work on Public Media Network stations.

**Potential for articulated credits with Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

KRESA Career and Technical Education (CTE) 2023-24 Course Descriptions

BUSINESS MANAGEMENT, MARKETING & TECHNOLOGY PATHWAY

Basic Accounting/Accounting I

This course provides students with basic recordkeeping skills for small businesses. Using both manual and computerized methods, students start accounting systems, record business transactions for sole proprietorships and partnerships, and practice petty cash and payroll procedures.

**Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

This is an Early/Middle College eligible program.

Advanced Accounting/Accounting II

Students who enroll in the second year become proficient in computerized systems, advanced application, analysis, and financial decision making. Competencies include departmentalized accounting procedures, completing payroll, budgeting, and financial analysis.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

This is an Early/Middle College eligible program.

AP (Advanced Placement) Computer Science Principles

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

**Potential for articulated credits not yet developed*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Banking & Finance

This course provides students with a background in customer service, personal finance, budgeting, investment planning, and business financial management. Students gain exposure to the various career options in the field. They learn how the financial decisions that they make today affect their future.

**Potential for articulated credits with Davenport University*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Business Administration Management & Operations (BMA)

This course provides students with a solid foundation of business skills, knowledge and understanding that are necessary for success in a global society. Topics include human resources, operations and quality management, communications, business management and leadership, project management, business ethics, international business, employability skills, career exploration and more. Students will utilize information technology and software applications to complete business projects and share ideas. Students will learn to solve business problems that occur in the working environment. This exciting business class prepares students for employment and for the pursuit of a business degree after high school.

**Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit,*

**Visual Performing & Applied Arts Credit*

This is an Early/Middle College eligible program.

Credential options: MS Excel, MS Powerpoint, MS Word, Communication Skills for Business, Entrepreneurship and Small Business

Computer Science/Software Engineering

Computer Science Software Engineering provides an excellent introduction into the computer science world. In this course, students dive into the world of programming using Python; edit images using GIMP (Graphic Image Manipulation Program), create a short film; and learn the importance of file management using Linux Ubuntu Virtual Environment. Students will also use professional-level IT (Info Tech) applications such as Git Hub and Python Integrated Development Environments (IDE) and even program and drive drones and robots using Software Development Kits and Arduino Microprocessors. Students will learn the impact of a computing society and the application of computing across career paths.

**Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Credential options: C++, PC Pro, Java Script, Python and more depending on student interest.

Culinary Arts

This program provides students with the opportunity to learn about the restaurant and food service industry. The curriculum, ProStart, was created by the National Restaurant Association and complies with all State standards. Students learn basic food preparation and explore different fields of the culinary trade. Instruction and learning activities are provided in a food lab using hands on experiences. The curriculum includes, but is not limited to, front-of-the-house duties, as well as back-of-the-house duties. Additional activities provide instruction in a wide range of topics from management and employability skills to catering. Students participate in culinary competitions and acquire industry recognized certifications needed to succeed in the industry and post-secondary education.

**Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

This is an Early/Middle College eligible program.

Credential options: ServSafe Allergen, Handler, and Manager

Information Technology I

Students enrolled in this program will be exposed to numerous Information Technology specialty areas. Students will learn about hardware, Windows and Linux operating systems, printers, scripting, networking, security, and troubleshooting. Students that excel at the content can take electives to earn additional credentials in Amazon Web Services (AWS) or EC-Council's Digital Forensic Essentials.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

This is an Early/Middle College eligible program.

Credential options: IT Fundamentals and CompTIA Network+

Information Technology II

Students returning for second year of Information Technology will take a deeper dive into opportunities, work semi-independently and focus on one or more of following areas of IT: networking, cybersecurity, servers, or Linux.

Networking: Before you can secure a network, you need to understand how it works. Topics include Switching & Routing, Network Address & Services, Specialized Networking, Hardening & Update management, Wide Area Network, Optimization & Troubleshooting.

Cybersecurity: Once a student understands how a network works it can be secured. Topics include: threats, attacks & vulnerabilities; identity, access, & account management; incident response; forensics & recovery; virtualization; cloud & Mobile Devices, and more.

Servers: The course is designed to prove proficiency in the skills required to administer Windows Server, including installation and implementation of storage solutions, Hyper-V, and Windows containers; networking with DNS, DHCP, IP address management, and advanced infrastructure; and administration of Active Directory Domain Services, group policy, Nano Server, and more.

Linux: Linux is everything from cars and smartphones to servers and supercomputers, as a vast number of enterprises use Linux in cloud, cybersecurity, mobile and web administration applications.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

This is an Early/Middle College eligible program.

Credential Options: CompTIA Network+, Cisco CCNA, CompTIA Security+, EC-Council's Network Defense

Marketing/Entrepreneurship

Marketing is the process of planning, pricing, promoting, selling, and distributing ideas, goods, or services to create exchanges that satisfy a customer. Course work teaches the principles of advertising, display, sales, merchandising, economics, and marketing in a global economy. Students train in techniques that businesses and organizations use to persuade consumers to buy products or use services. Students will learn about types of social media and the social media strategies businesses utilize to meet their marketing goals. This exciting course teaches many transferable skills that students can use immediately in the workplace or to pursue a business degree at a postsecondary institution.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit,*

**Visual Performing & Applied Arts Credit*

This is an Early/Middle College eligible program.

KRESA Career and Technical Education (CTE) 2023-24 Course Descriptions

ENGINEERING, MANUFACTURING, INDUSTRIAL TRADES PATHWAY

Automotive Technology

This National Institute for Automotive Service Excellence (ASE) certified program covers these areas of automotive service: engine, brakes, electrical & electrical systems, steering & suspension, auto & manual transmissions, and air conditioning. Students may have the opportunity to become state certified, as well as to earn credit towards completion of an associate degree or other post-secondary training.

Students may take this course for two years.

**Potential for articulated credits with Baker College, Kalamazoo Valley Community College, University of Northwest Ohio*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Algebra II Credit option*

This is an Early/Middle College eligible program.

Credential options: Automotive Service Excellence (ASE) Entry-Level Maintenance and Light Repair (MLR), ASE Entry-Level Brakes, ASE Entry-Level Steering and Suspension

Aviation Technology

Students in this course are dually enrolled and can earn college credit through Kellogg Community College (KCC) in addition to high school credit. The KCC aviation coursework is part of a bridge agreement with Western Michigan University, College of Aviation and is delivered as on-line courses. Instructional support is provided by CTE to ensure student success at the college level. This program is designed to introduce students to many aspects of the aviation industry and is intended for students with an interest in pursuing any career related to aviation. Students will develop a broad knowledge base in subject areas ranging from evolution of airplanes and commercial aviation, flight operations, weather, airspace, navigation, regulations, and aircraft systems. Students can interact with industry experts and visit leaders in the field of aviation for career exploration. The program will feature many hands-on labs.

Students may take this course for two years.

**Potential for articulated credits with Northwestern Michigan College*

**Dual Enrollment at Kellogg Community College with bridge agreement to WMU-College of Aviation*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Computerized Manufacturing

This course provides training in computer-aided design and computer manufacturing systems using CAD software, SolidWorks, Mastercam and KeyCreator. It also features demonstrations and maximizes student laboratory work. Students gain employability skills such as planning, organizing and decision-making skills. Paid work-based learning opportunities with local manufacturers are available to second-year students. Computerized Manufacturing prepares students for immediate employment, advanced schooling and/or apprenticeship opportunities with local area employers.

Students may take this course for two years.

**Potential for articulated credits with Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

This is an Early/Middle College eligible program.

Construction Trades

This course exposes students to many aspects of the new construction and revitalization industry including site layout, carpentry, electrical, masonry, plumbing, tile setting, HVAC, painting, and other construction skill areas. Both male and female students will enjoy the hands-on training experience in remodeling and/or new construction of a home that this course has to offer. Classroom training is also a vital component of the class. Students interested in this course should understand basic concepts of measurement and mathematics and be able to work indoors or outdoors.

Students may take this course for two years.

** This program is a partnership with Kalamazoo Valley Habitat for Humanity.*

**Potential for articulated credits with Baker College, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

Credential option: United Brotherhood Career Connections

Electrical Technology

Students in this course are dually enrolled and can earn college credit through Kalamazoo Valley Community College. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. This course provides instruction and training in the areas of applied electricity, residential wiring and code, and safety and first aid. Students will learn basic electrical theory and practices as well as wiring theory and gain lab experience. Upon successful completion of this course, the student should have the knowledge and ability to wire a residence according to the national electrical code. Throughout the program, students gain valuable practical experience working on residential, commercial, and industrial wiring. Students interested in this class should enjoy working with mathematical formulas and algebraic concepts.

**Dual enrollment at Kalamazoo Valley Community College - 6 College Credits*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Electronics & Robotics

This is an excellent course for students to use their creativity to solve problems and figure out how things work. A hands-on approach will introduce students to concepts and skills in current and emerging technical fields. The course features high-tech equipment and programs in a student-centered classroom. Projects challenge and engage students' minds to provide a solid foundation that could launch them into engineering or other high-tech careers such as alternative energies, robotics and automated systems, optics, biomedical, and nanotechnology

Students may take this course for two years.

**Potential for articulated credits with Baker College, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

Engineering in Wood Technology

Engineering in Wood Technology is a course that covers the rudimentary techniques of woodworking and cabinetmaking in relation to industry. This class provides true differentiated training for the real-world of manufacturing and industry, with student directed studies ranging from areas of programming and operation of CNCs, laser engraving and even 3D printing technologies to rustic woodworking using traditional tools such as Japanese pull saws. This course offers higher-level training in management and student leadership via a complex student-run student-led class structure. Students will have the opportunity to explore career paths related to the woodworking and construction industries

**Potential for articulated credits with Michigan Career & Technical Institute*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

Heating, Ventilation & Air Conditioning

Students in this course are dually enrolled and can earn KVCC college credit in addition to high school credit. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. This course provides instruction and training in the areas of heating, ventilation, air conditioning and refrigeration as well as the design, installation, and servicing of HVAC/R systems. HVAC prepares students for a technical career upon completion.

**Dual Enrollment at Kalamazoo Valley Community College - 12 College Credits*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Mechatronics

Electronics and mechanical components work together to make up complex systems from a car to a robot to automation lines. Mechatronics students learn to design, build, program, and troubleshoot electro-mechanical systems using the principles of mechanics, electronics, and computer science. Students learn about electronics, robotics, equipment controls and sensors, programming, hydraulics/pneumatics, CAD/CAM, basic machining, and CNC.

**Potential for articulated credits with Baker College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

Welding

Students in this course are dually enrolled and can earn college credit from Kalamazoo Valley Community College in addition to high school credit. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. Students learn to weld with the most advanced welding processes used today. Content includes the basic safe operation of the ox-fuel welding, cutting and brazing systems. Students also receive training in the basic electric arc welding processes, SMAW (arc), GMAW (mig), and equipment setup, selection and operation. Blueprint reading for welders, welding symbols and basic welder's trade math are included to prepare the student for employment in the welding trade.

**Dual Enrollment at Kalamazoo Valley Community College - 6 College Credits*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

**Visual Performing & Applied Arts Credit*

This is an Early/Middle College eligible program.

KRESA Career and Technical Education (CTE) 2023-24 Course Descriptions

HEALTH SCIENCES PATHWAY

Certified Nursing Assistant (CNA)

Learn to care for patients in a caring and compassionate manner. Students first learn patient care techniques in a simulated lab environment, followed by a clinical rotation at a long-term care facility. This program is designed to introduce students to the fundamentals of health care, core skills, and health care professional behavior. Upon completion of the program, students are offered study and practice sessions to prepare for the state of Michigan competency exam. Once prepared, students will take the Michigan Nurse Aide Competency Evaluation which includes skills and knowledge tests.

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Credential option:CNA certificate

Dental Assisting

Students choosing this program will be dually enrolled through Kalamazoo Valley Community College (KVCC) and can earn both high school and college credit for the course. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. Enrollment in the CTE Dental Assisting program begins a preferred relationship with the KVCC Dental Hygiene program that could later benefit a student's acceptance into the KVCC program. The course prepares students to become dental assistants. Students will learn the fundamental knowledge and skills of dental anatomy, physiology, terminology, dental materials, chairside assisting, sterilization, radiology, laboratory, and clinical procedures. Second semester incorporates an internship held in KVCC's Dental clinic and local dental offices.

**Dual enrollment at Kalamazoo Valley Community College - 7 college credits*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Credential options: American Heart Association Safety, First Aid and Basic Life Support (BLS), radiography certification

Emergency Medical Technician

Students in this class are dually enrolled and can earn both high school and college credit. Students will need to meet the college's entrance expectations, as well as having their schedule open to extended class times and the college's calendar. EMT (Emergency Medical Technician) consists of a sequence of KVCC courses. Each course is a pre-requisite to the next course. Basic EMT provides students with instruction in basic emergency medical technology. The EMT course is a study of the topics and skills necessary to make lifesaving interventions and stabilize patients during transport to a medical facility. The course involves lecture and practical skills labs and introduces the clinical component of EMT education, the minimum level of training required for work on a transporting ambulance. Second semester students will complete clinical hours with a local ambulance service and healthcare agencies.

**Dual enrollment at Kalamazoo Valley Community College - 10 college credits*

**2nd World Language Credit*

**4th Related Math Credit*

**3rd Science Credit*

This is an Early/Middle College eligible program.

Credential options: Medical First Responder (MFR) and Basic EMT

Health Science

This course introduces the student to health care, with an emphasis on core skills and knowledge applicable to many professional health care disciplines. The curriculum integrates anatomy and physiology, medical terminology, and basic care skills through practical applications found in the health care setting. Students should enjoy working at a fast pace and be considering a healthcare career requiring a minimum of four years of post-secondary education.

**Embedded dual enrollment credit at Kalamazoo Valley Community College*

**Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Credential options: Basic Life Support (BLS)

Professional Health Science

Professional Health Science provides advanced training and experience in the healthcare field. The course includes internship experiences and enrollment in advanced skill mini courses such as phlebotomy, electrocardiography, patient care assistance, and exercise science/sports medicine. Students successfully completing medical terminology instruction will receive college credit. This second-year course represents the most advanced level of study in the health science program. Students applying to the program must meet specific achievement and performance prerequisites within either Health Science or Fundamentals of Health Science before gaining admission.

**Embedded dual enrollment credit at Kalamazoo Valley Community College*

**Potential for articulated credits with Baker College, Davenport University, Ferris State University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Credential option: Certified Patient Care Technician (CPCT)

KRESA Career and Technical Education

(CTE) 2023-24 Course Descriptions

HUMAN SERVICES PATHWAY

Cosmetology/Barbering

This is a state-certified program of instruction designed to prepare students to become a licensed professional cosmetologist or barber. Michigan's cosmetology course includes 1,500 clock hours (barbering includes 2,000) of mandatory attendance. To complete this requirement, students must be committed to attending the program during an extended day all through their junior and senior years and the summer that falls between. Students not meeting this requirement during their CTE enrollment will need to complete the program at their own expense. Upon successful completion of this prerequisite, students will be prepared to take their Michigan State Board Exam.

Cosmetology/Barbering Licensure

**Potential for articulated credits with Davenport University, Ferris State University*

**2nd World Language Credit*

**3rd Science Credit*

**Visual Performing & Applied Arts Credit*

**4th Related Math Credit*

Credential options: State of Michigan Cosmetology or Barbering Licensure

Law Enforcement I

Law Enforcement I introduces students to the many different careers available within the field. The program emphasizes the knowledge, skills, and ethics needed to be a successful police/fire academy recruit. Areas of study include criminal law, patrol procedures, fire ground operations, first aid/CPR/AED certifications, defensive tactics, crime scene investigation, and oral & written communication skills. The program follows MCOLES (Michigan Commission on Law Enforcement Standards) and police academy standards, as well as current college curriculum.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Law Enforcement II

Law Enforcement II deepens students' understanding of criminal procedures and improves their written and oral communication skills. Eligible students will intern with local public safety agencies during second semester, applying the knowledge, skills, and ethics learned to real world situations.

**Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Teacher Academy

Discover the rewards and joys of teaching! The Teacher Academy is designed to introduce students to various careers in the field of education. Students will gain hands-on experience working in a pre-kindergarten, elementary or middle school classroom four days per week throughout the school year. In addition, students will learn the necessary background knowledge of child development and principles of effective teaching through a hybrid program of learning which includes weekly online learning, class meetings, extended research projects, field trips, and interviews. Students work under the joint direction of an CTE instructor and an expert teacher in their area of interest as they learn to plan and direct instruction for individuals and groups, develop materials, assist with record keeping and complete other responsibilities of teachers and other school personnel.

Students may take this course for one or two years

**Potential for articulated credits with Baker College, Central Michigan University, Ferris State University, Saginaw Valley State University, Western Michigan University*

**2nd World Language Credit*

**3rd Science Credit*

**Visual Performing & Applied Arts Credit*

**4th Related Math Credit*

Credential option: Child Development Associate (CDA)

KRESA Career and Technical Education (CTE) 2023-24 Course Descriptions

NATURAL/AGRI-SCIENCE PATHWAY

Agriscience: Animals and Plants

Interested in growing plants? Want to know about and do more with animals? Interested in natural resources? This is a year-long, hands-on course that allows you to do it all. One semester is spent learning about plants: how to grow them, how they work, and how they feed the world. Students learn about plants and their relationship and importance to people. Students also study plant classification, cell structure, plant parts and functions, plant processes, plant nutrition and soils. The other semester is based upon animals--all kinds of animals. Students learn about basic biology, behavior, care, and handling of a broad range of species. Students study domestic livestock production, animal health and nutrition, animal genetics and reproduction, and animal anatomy and physiology. Students study the selection, breeding, feeding, care, and marketing of animals, as well as the role of pets and other animals and their interactions with humans.

**Potential for articulated credits with Davenport University*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Conservation Biology

This program introduces students to the exciting careers in Natural Resource Conservation and Wildlife Biology. This laboratory/field-based course involves hands-on learning of ecological science, animal, and plant studies (i.e. behavior, identification), job shadowing and field trips. This course will have special emphasis on skills and technology used in this profession. Students will have direct contact with natural resource conservationists and wildlife biologists in this field of study. They will attain the skills necessary to obtain employment in various careers in Natural Resource Conservation and Wildlife Biology.

**Potential for articulated credits with Davenport University*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Horticulture

Do you like to grow plants? Want to try your hand at it? This year-long class allows students to explore plant biology and classification, plant nutrition, soil quality, water quality and many other plant-related questions. Projects include landscape design, experimenting with soil types, pest control, and managing all facets of an entrepreneurial spring plant sale to cap off the year. Students will discuss the horticulture and landscaping industry (greenhouse, ornamental horticulture, hydroponics, etc.) and its importance to our economy. Students work in the greenhouse, school garden, and local food forest, and grow plants for themselves and for sale.

**Potential for articulated credits with Kalamazoo Valley Community College*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Veterinary Science

During the first semester, students will focus on anatomy, medical terminology, hematology, animal breeds, animal health and care, restraint and handling, veterinary lab procedures and parasitology. The second semester will combine continued classroom instruction on specific skills with internships in local veterinary clinics. This program will introduce students to and help prepare students for various jobs in the field of veterinary medicine.

**Potential for articulated credits with Davenport University, Michigan State University*

**2nd World Language Credit*

**3rd Science Credit*

**4th Related Math Credit*

Credential option: Certified Veterinary Assistant (CVA) Texas Veterinary Medical Association

KRESA Career and Technical Education (CTE) 2023-24 Course Descriptions

WORK-BASED LEARNING

CTE Work-Based Learning

An experience for 11th and 12th grade students who have successfully completed a trimester or semester of a CTE course. Students can earn credit and receive a grade while they learn through paid, related work experience.

Participating students shall:

- Be employed in a coordinator-approved work setting
- Work at least 10-15 hours per week in class-related, legal employment
- Receive release time from school, school credit, on-the-job training and pay
- Be evaluated every grading period by their employer.

Prerequisite: CTE-related class. Successful completion of one trimester or semester of a CTE course and continued concurrent enrollment in CTE.

NOTE: Students are not to be officially enrolled in CTE Work-Based Learning until the Work-Based Learning Coordinator has approved their application and job site. Additionally, employment is subject to forces outside of the control of the school district, therefore employment cannot be guaranteed. For these reasons, it is recommended that students maintain a full schedule of classes until all conditions are met.