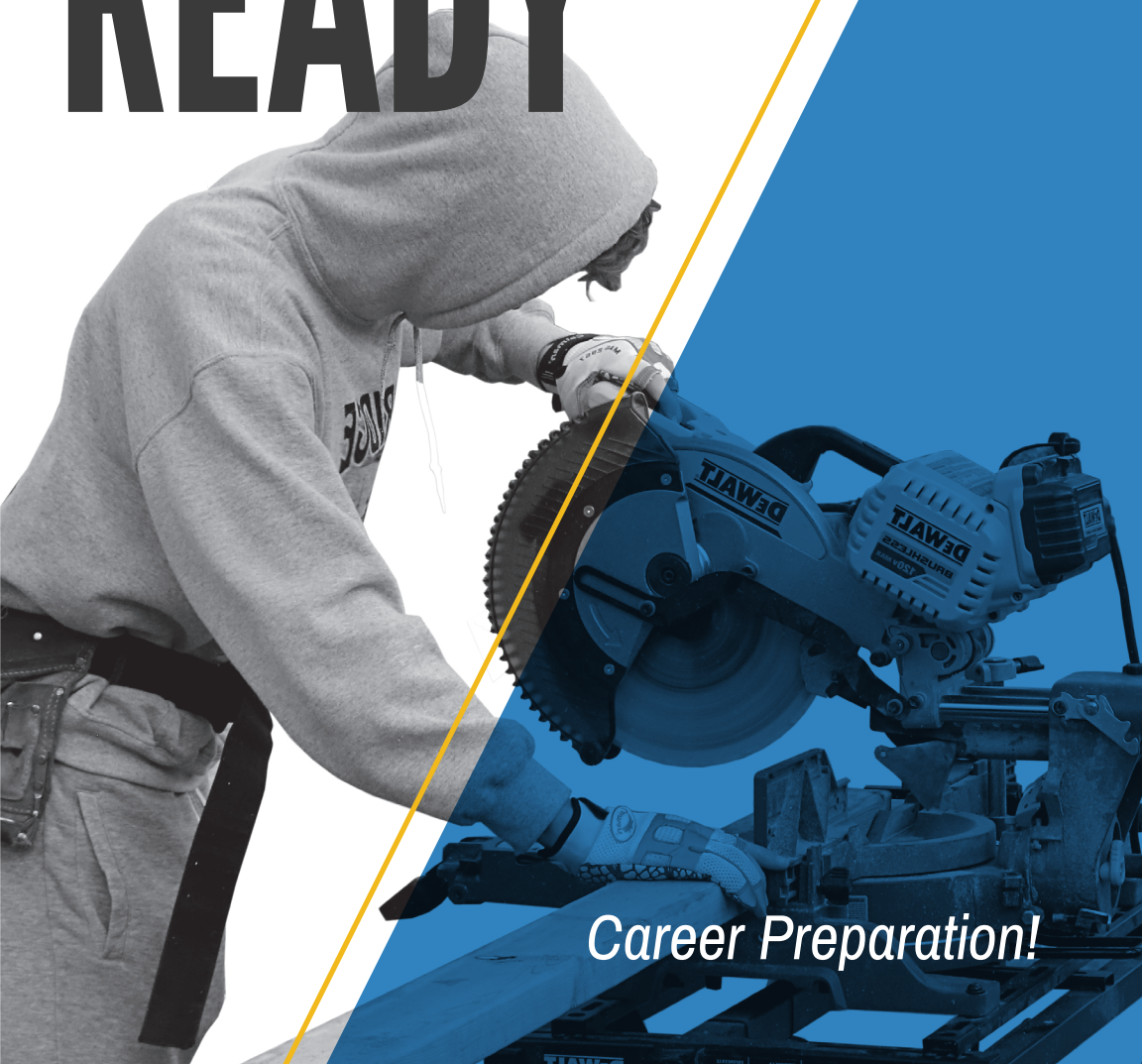


KALAMAZOO RESA
EDUCATION FOR EMPLOYMENT /
CAREER & TECHNICAL EDUCATION

FUTURE READY



Career Preparation!

ARTS & COMMUNICATIONS

Are you imaginative, innovative and original? Do you like drawing, writing, or taking photos?

Art & Design Career Skills — Explore and perfect skills in various media arts, learn to use professional quality art materials, attend trips to art exhibitions and performances.

Media Production — Create media content for internet, podcasting, television, film and radio. Gain experience in skills such as video composition and editing, audio production, graphic composition and more. Enter local and national competitions and have your work aired on Public Media Network stations.

“This class has challenged me to be my best self as an artist, go outside my comfort zone and try new things.”

—Mariah Crenshaw,
Art & Design Career Skills



“I found a great job as a marketing assistant for a nonprofit organization, and the skills I have acquired from this class make my job so much easier.”

—Logan Dankert,
Marketing & Entrepreneurship

Do you enjoy being a leader, organizing people and planning activities?
Do you like to work with numbers and ideas?

Accounting & Finance — Investigate the field of accounting, how it is impacted by industry standards as well as economic, technological, social, legal and ethical factors. Engage in the process of recording, classifying, analyzing and communicating financial information.

Banking & Finance — Gain knowledge in customer service, personal finance, budgeting, investment planning and business financial management.

Business Administration Management & Operations — Utilize software applications to complete business projects and share ideas. Learn to solve business problems that occur in the business environment.

AP Computer Science Principles — Cultivate an understanding of computer science by working with data, collaborating to solve problems and developing computer programs. Explore concepts including creative approaches to data, information and the internet, as well as the global impact of computing.

Computer Science — Work in teams to solve open-ended, practical problems that occur in the real world. Class topics include: Python coding, security and cryptography, Arduino microprocessor boards and robotics.

Culinary Arts — Learn the fundamentals of cooking and baking, food safety, food preparation and service, sanitation and equipment operation.

Information Technology — Learn about the many specialty areas of information technology and focus on the career path of PC Technician or Cisco Networking during the first year. Dive deeper into opportunities, work semi-independently, and focus on cybersecurity, servers, Linux or cloud during the second year.

Marketing & Entrepreneurship — Gain an understanding of advertising, sales, merchandising, economics and marketing in the global economy. Practice techniques used by businesses to influence consumers to purchase products and services.

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY

Are you mechanically inclined? Do you enjoy reading diagrams and blueprints or drawing structures? Are you curious about the way things work?

Automotive Technology — Learn automotive service areas such as engine performance, electrical systems, steering and suspension, automatic and manual transmissions.

Aviation Technology — Develop a broad understanding of the aviation industry, including airplane evolution, commercial aviation, flight operations and regulations, weather, airspace and navigation.

Electrical Technology — Experience hands-on training in the areas of applied electricity, residential wiring and code, as well as safety and first aid.

Electronics & Robotics — Learn about electronics, robotics, equipment controls and sensors, and programming used in electro-mechanical systems.

Engineering in Wood Technology — Learn the basic techniques of woodworking and cabinetmaking through training with laser engraving and 3-D printing technology, as well as traditional hand tools.

Heating, Ventilation & Air Conditioning — Examine the areas of heating, ventilation, air conditioning and refrigeration, as well as the design, installation and servicing of these systems.

Mechatronics — Design, build, program and troubleshoot a variety of systems using the principles of mechanics, electronics and computer science. Learn about hydraulics, pneumatics, CAD/CAM, basic machining and computer numerical control (CNC).

Welding — Learn to weld with the most advanced processes available. Develop an understanding of basic operations, cutting and brazing systems and equipment setup.

Computerized Manufacturing — Experience hands-on training in computer-aided design and computer manufacturing systems.

Construction Trades — Remodel and/or build a new home while exploring the many aspects of the construction industry, including site layout, plumbing, HVAC and safety.

ENGINEERING, MANUFACTURING & INDUSTRIAL TECHNOLOGY

“I would highly recommend this course because of its curriculum, hands-on experiences and excellent instruction.”

—Steven Noonan,
Aviation Technology

HEALTH SCIENCES

Do you enjoy caring for others?
Are you curious about how the
human body works?



Certified Nursing Assistant — Learn to care for patients in a thoughtful and compassionate manner. Practice patient care techniques in a simulated lab environment, followed by a clinical rotation at a long-term care facility.

Dental Assisting — Explore dental anatomy, physiology, terminology, sterilization, radiology and clinical procedures. Participate in an internship with the Kalamazoo Valley Community College Dental Clinic and local dental offices.

Emergency Medical Technology — Learn the skills to make lifesaving interventions and how to stabilize patients during transport to a medical facility. Complete clinical hours with a local ambulance service and local health care agencies.

Fundamentals of Health Science — Explore careers in healthcare while gaining basic knowledge and skills of human physiology and anatomy, patient assessment, vital signs, infection control, first aid and CPR.

Health Science — Develop an in-depth understanding of human physiology and anatomy, medical terminology, basic care skills and CPR through hands-on, practical applications.

Professional Health Science — In this second-year course, receive hands-on training through internship opportunities in areas such as phlebotomy, electrocardiography, patient care assistance and sports medicine.

HUMAN SERVICES

Are you compassionate, friendly, understanding and cooperative? Do you care about improving the lives of others?

Cosmetology & Barbering — Study to become a licensed professional cosmetologist or barber in this state-certified program.

Law Enforcement — Explore the skills and ethics necessary to be a successful police or fire academy recruit. Class is taught by an officer of the Kalamazoo Department of Public Safety.

Teacher Academy — Prepare for a career in education by gaining knowledge of child development and the principles of effective teaching. Gain hands-on experience through an internship.



NATURAL RESOURCES & AGRICULTURE

Do you love nature? Are you curious about the world? Do you care about protecting the environment?

Animal Technology — Focus on anatomy, health and reproduction of companion animals in this introductory class.

“It’s a great program that is taught by an actual veterinarian. When in EFE, you learn things that you wouldn’t in a traditional classroom setting.”

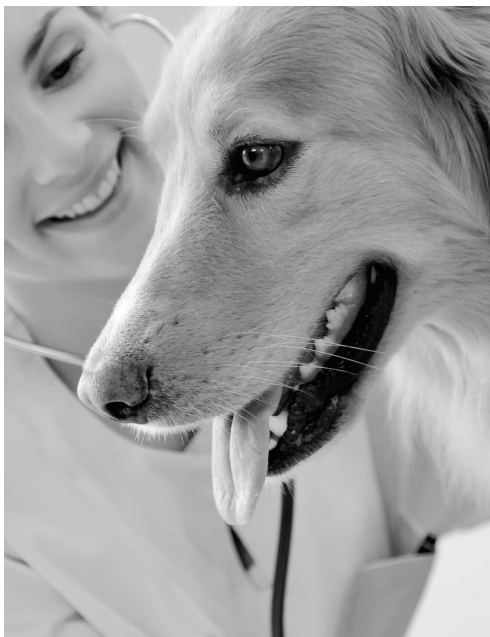
—Megan Richardson,
Veterinary Science

Conservation Biology — Examine ecological science, animal and plant studies through classroom and hands-on laboratory learning, job shadowing and field trips.

Veterinary Science — Focus on animal anatomy, medical terminology, hematology, health care and parasitology. Assist in local veterinary clinics during the second semester.

WORK-BASED LEARNING

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





Kalamazoo RESA Education for Employment / Career and Technical Education

1819 East Milham Avenue, Portage, MI 49002 | (269) 250-9300 | www.kresa.org/futureready



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@efekzoo

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