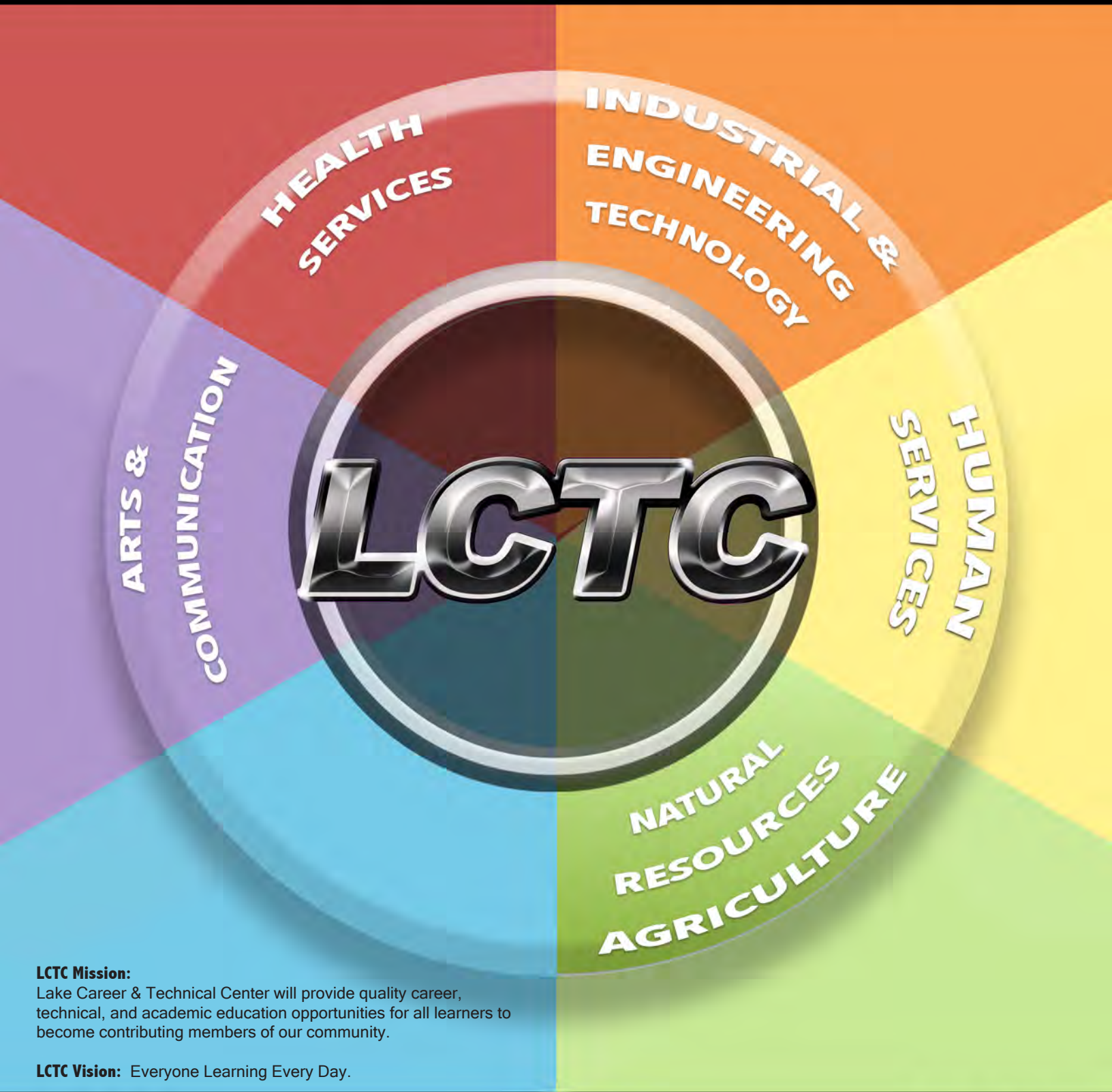


Lake Career & Technical Center



(573) 346-9260

P.O. Box 1409
269 Dare Blvd
Camdenton, MO 65020



<http://camdentonschools.schoolwires.net/lctc>

A message to parents. . .

At LCTC we are interested in your child's education and the career pathway that is most appropriate to meet his/her goals. Please know that the faculty will diligently work toward meeting your child's needs. One of the standards that the Camdenton R-III School District must meet in order to maintain accreditation from the Missouri Department of Elementary and Secondary Education relates to successful placement in occupations, continued education, or military service related to his/her career and technical training.

Our goal is to place students in the "right program" to best fit each student's educational and career goal. LCTC strives to establish a culture where all students have a quality and positive learning experience.

Camdenton R-III School District Mission:

The Camdenton R-III School District and Lake Career & Technical Center commits to creating a learning community that maximizes each individual's performance for future success.

LCTC Mission:

Lake Career & Technical Center will provide quality career, technical, and academic education opportunities for all learners to become contributing members of our community.

Vision: Everyone Learning Every Day.

Credits:

High school students receive credit at the same rate as it is given in the home high school (one credit per period). Credits received from technical programs count toward graduation as elective courses, practical arts, and in some programs, fine arts, mathematics, communication arts, and/or science.

Articulated Credit, Dual Credit, and Scholarships:

State Fair Community College, Ozarks Technical Community College, State Technical College of Missouri, and Universal Technical Institute, have agreed to grant college credit for classes successfully completed at LCTC. Classes and criteria to receive credit are available in the LCTC Guidance Office. State Fair Community College, Universal Technical Institute, and Ozarks Technical Community College annually award scholarships to students who have taken advantage of the articulation credit.

A+ Financial Incentive Program:

Students who graduate from a designated A+ high school may qualify for 48 months of FREE tuition, and fees at any Missouri public community college or area career and technical school if they meet the following criteria:

- Attend a DESIGNATED A+ high school for 3 years prior to graduation.
- Maintain a 2.5 GPA (on a 4.0 scale).
- Maintain a 95% attendance record.
- Perform 50 hours of unpaid tutoring or mentoring for younger students.
- Have a record of good citizenship and avoid unlawful drugs.
- Achieve a score of Proficient or Advanced on the Algebra I End of Course exam.

Scholarships:

Seniors enrolled in LCTC are eligible to participate in the LCTC scholarship program. Each year's graduating senior class has available local scholarship monies awarded to graduates of LCTC. In addition, many post high school technical institutions offer scholarships to outstanding technical students.

Enrollment and High School Student Selection:

Students who are interested in LCTC should complete the Course Request Form and return it to the Guidance Office. Selection of students for technical programs will be the result of the combined efforts of the participating schools and LCTC. Careful attention is given to the acceptance of each student for admission into LCTC. Students are selected on the basis of attendance, academic performance, career pathway, completion of the course request form by the due date, and discipline. Local school recommendation will be given highest priority toward selection of students; however, LCTC retains the right to reject any student. If you wish to be considered for enrollment, it is imperative that you contact your home school counselor by the deadline announced.

Guidance, Counseling and Placement Services:

LCTC provides guidance and counseling services to assist students in making important decisions about education, career, and personal matters. Every effort is made by LCTC to place all qualified students in suitable jobs or continuing education. Placement, however, is not guaranteed by LCTC.

Camdenton R-III Schools actively participates in an organized program to help prevent drug and alcohol abuse. Details about the program are available from the counselor.

Nondiscrimination Disclaimer:

No person shall be excluded from participation in, denied the benefits of, or subjected to discrimination under the education programs or activities of the Lake Career & Technical Center on the basis of race, color, national origin, sex, disability, or age. This policy is effective in all school controlled programs including admissions, retention, and financial aid. All inquiries regarding Title IX and section 504 should be directed to Assistant Superintendent in charge of Personnel, P.O. Box 1409, Camdenton, MO 65020 (573) 346-9208.

GRAPHICS TECHNOLOGY

Video Editing

[Grades: 9-12] (Credit: 1) [Class may be repeated]

This course introduces basic video editing & production.

In this class students will:

- Operate iMac computers; learn Adobe Premiere and Adobe After Effects
- Create special effects, green screen and motion graphics
- Practice photography exposure, white balance, and composition

Photography

[Grades: 10-12] (Credits: 1) [Class may be repeated]

Fine Arts Credit Available - See your counselor for more information

Learn the basics of photography while using professional level equipment.

Students will:

- Operate iMac computers
- Learn Adobe Photoshop, Adobe Bridge, and Adobe Premiere
- Clean up, edit, and Photoshop digital photos
- Use DSLR cameras with multiple lenses
- Learn camera exposure, lens operation, and white balance
- Use camera composition techniques
- Set up and use professional studio lighting
- Output photos by printing and saving to digital files
- Create a video portfolio

Digital Media Production

[Grades: 10-12] (Credits: 2) [Class may be repeated]

Broadcast live events & publish an online magazine using photojournalism, video production, photography, and graphic design.

Students will:

- Learn professional video camera operations, formats, aspect ratios and dimensions
- Use journalism & advertising techniques through a media- literacy component
- Operate iMac computers
- Learn Adobe Photoshop, Adobe Premiere, Adobe After Effects, and online apps
- Broadcast live sports & events using internet streaming
- Perform video editing, special effects, green screen and motion graphics
- Learn about photography exposure, white balance and composition

Graphics

[Grades: 10-12] (Credits: 2) [Class may be repeated]

Fine Arts Credit Available - See your counselor for more information

This course introduces students to graphic design techniques.

Students will:

- Operate iMac computers
- Learn Adobe Photoshop, Adobe Indesign, & Adobe Illustrator
- Design and screen print t-shirts
- Design and print banners, posters and more
- Create and publish apps for mobile devices
- Design and print or publish magazine ads, business cards, logos and more
- Design and sublimate coffee cups, mugs, plaques or other sublimatable items



Natural Resources Agriculture

AGRICULTURAL EDUCATION

Introduction to Agriculture

[Grades: 9-10] (Credit: 1) [Class may NOT be repeated]

This course is designed for basic instruction in agricultural career exploration.

Topics include:

- Animal science, natural resources, and horticulture
- Basic agriculture mechanics
- Leadership training through FFA history and traditions

Animal Science

[Grades: 10-12] (Credits: 2) [Class may NOT be repeated]

Recommended Prerequisite: Introduction to Agriculture

Animal Science will explore animal related careers and units that include:

- Basic animal rights and issues
- Nutrition, health, and disease
- Reproduction
- Equine science

Livestock Operations & Management

[Grades: 10-12] (Credits: 2) [Class may NOT be repeated]

Recommended Prerequisite: Introduction to Agriculture

This course concentrates on the practical application of food animal production.

Topics include:

- Production and processing of major species of livestock
- Management practices for successful production
- Food science

Greenhouse Production

[Grades: 10-12] (Credit: 1) [Class may be repeated once]

Recommended Prerequisite: Introduction to Agriculture

Greenhouse Production prepares students to enter the field of plant production.

This entry-level course is designed for basic instruction in:

- All aspects of growing floriculture crops, fruits, and vegetables
- Floral design and greenhouse construction
- Greenhouse and garden lab experiences

Turf & Landscape Management

[Grades: 10-12] (Credits: 2) [Class may be repeated once]

Recommended Prerequisite: Introduction to Agriculture

This course is designed for those interested in landscaping.

The course covers:

- Planting, pruning, and fertilization
- Pest control of landscape plants
- Lawn care and landscape construction

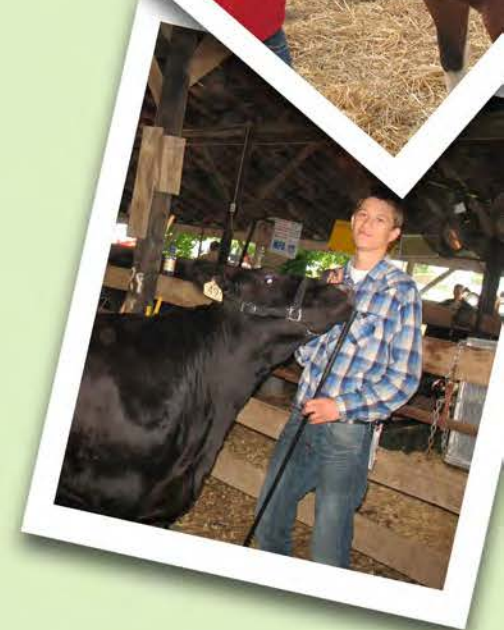
Conservation of Natural Resources

[Grades: 10-12] (Credits: 2) [May NOT be repeated]

Recommended Prerequisite: Introduction to Agriculture

This course is an introduction to the field of conservation and natural resource management. Topics include:

- Forestry and soils
- Wildlife and fisheries
- Basic shop skills



All agricultural courses consist of classroom lessons as well as hands-on experience. Leadership training skills will be obtained through FFA chapter activities. Students will have the opportunity to become a member of the LCTC FFA chapter.

HEALTH SCIENCE

Intro to Health Care

[Grades: 9-10] (Credits: .5) [Class may NOT be repeated]

Students desiring to pursue a career in health care will:

- Gain an introduction into anatomy and physiology
- Explore careers in healthcare
- Learn medical abbreviations and symbols
- Learn to take vital signs and participate in CPR training

Medical Terminology - The Human Body

[Grades: 10-12] (Credits: 2) [May not be repeated] Dual Credit Available WW

Preferred Prerequisite: Intro to Health Care (if entering as a 10th grade student)

Medical Terminology allows students to develop an understanding of the language of medicine and enhance professional communication in health care environments.

Students will:

- Study anatomy, physiology, and abnormalities/disorders of the body systems
- Participate in Anatomy in Clay activities and projects
- Learn to take vital signs and become CPR certified

Health Science I

[Grades: 11-12] (Credits: 3) [Class may NOT be repeated]

Requirements: Proof of Hepatitis B vaccination, TB test, flu shot, criminal background check (social security card must be provided), drug screening (\$30+), uniform fee (\$35+).

This course is for students who desire to pursue a career in the health services field. Students will learn and have the opportunity to do the following:

- Basic health care assistant hands-on skills
- Anatomy and physiology of the human body in health and disease
- Job shadowing at the hospital and community clinical sites

Health Science II/Clinical Experience

[Grade: 12] (Credits: 3) [May NOT be repeated]

Industry Recognized Credential Available: C.N.A (Certified Nurse Assistant)

Prerequisite: Students must have completed Health Science I with a grade of B or higher, and an attendance rate of 90% or higher.

Requirements: Proof of Hepatitis B vaccination, TB test, flu shot, criminal background check (social security card to be provided), drug screening (\$30+), and scrubs.

This course is for students who wish to pursue a career in the health services field.

Students will:

- Experience over 90 clinical days at a hospital and long term care facilities
- Gain an excellent background to pursue any career in the Health care field
- Gain competence in vital signs and patient care skills
- Study current health care topics



TEACHER EDUCATION

Introduction to Teaching

[Grades: 9-11] (Credit: .5) [Class may NOT be repeated]

Are you interested in becoming a teacher? This introductory course is an overview of the teaching profession.

Students will learn and have the opportunity to do the following:

- Identify and work with various teaching and learning styles, strategies, classroom management techniques, and technology resources
- Explore teacher employment trends and college teacher education programs
- Job shadow a teacher

Foundations of Education

[Grades: 10-12] (Credit: 1) [Class may NOT be repeated]

Recommended prerequisites: Introduction to Teaching

This course is designed to:

- Explore the nature of school environments, design, and organization of school curricula
- Examine the historical, philosophical, sociological, political, economic, and legal foundations of the American public education system
- Study characteristics of effective schools, educational structures, practices, and projections for the future

Teacher Education

[Grades: 11-12] (Credits: 2) [Class may be repeated]

Prerequisite: Foundation of Education (or concurrently enrolled)

This course is an orientation to the teaching profession, and is intended to help clarify decisions about education as a career choice. During class students:

- Observe teaching and learning in Preschool through 12th grade classrooms
- Develop and deliver lessons, and examine characteristics of effective teaching
- Learn the requirements for teacher preparation and certification

NOTE: Student behavior and conduct will be reviewed prior to assignment to classroom observation sites.



FTA (Future Teachers of America) is open to all students, especially those interested in any aspect of the educational field. FTA activities include: planning parties for children, job shadowing teachers, community service, planning and working activities with the middle school FTA program, celebrating our teachers during Teacher Appreciation Week, and working concessions to provide funds for the club. Members have opportunity to demonstrate leadership and responsibility to achieve a common goal. Camdenton High School's Future Teachers of America club is associated with the National Teachers of America club and Missouri State Teachers Association.

CULINARY ARTS

Exploring Culinary Careers

[Grades: 9-10] (Credit: .5) [Class may NOT be repeated]
Class Fee: \$10

This course is an introduction to the culinary industry where students will have an opportunity to gain first-hand experience with restaurant operations as they:

- Practice accurate measuring and cooking techniques
- Gain experience with proper operation of commercial cooking equipment
- Participate in school district and community events
- Learn about many career options in the hospitality industry
- Complete a project such as cooking demonstration, small business, or career fair

Introduction to Culinary Arts

[Grades: 10-12] (Credits: 2) [May be repeated w/ permission] Class Fee: \$40
(includes uniform to keep)

Introduction to Culinary Arts allows students to explore every facet of the fundamentals of culinary arts through the following activities:

- Exposure to a variety of basic cooking techniques
- Opportunity to earn Camden County Foodhandler's Card
- Involvement in student organization activities and meetings
- Participation in school district and community events In-class cooking competitions

Culinary Arts

[Grades: 11-12] (Credits: 3) [Class may be repeated]
Class Fee: \$50 (includes uniform to keep)

Industry Recognized Credential available through ACF (American Culinary Federation)

Culinary Arts welcomes students to the world of professional cooking, and provides the following opportunities:

- Professional food preparation and knife skills
- Development of personal recipe portfolio
- Participation in school district and community events
- Opportunity to earn ServSafe Certificate
- National certifications, competitions, and awards
- American Culinary Federation meetings and conferences



Law, Public Safety, Corrections and Security

Introduction to Law Enforcement

[Grades: 9-11] (Credit: 1) [Class may NOT be repeated]

This course offers students an overview of the criminal justice system. Students will:

- Explore a variety of careers in different law enforcement agencies
- Learn about career opportunities in police departments, the FBI, labs, private security agencies, and more

Law Enforcement/Crime Scene Investigation

[Grades: 10-12] (Credits: 2) [May be repeated]

This program is intended to be a general introduction to the American Criminal Justice System with emphasis on law enforcement. Students will explore U.S. Constitution Law and the Missouri Criminal Code.

Topics include:

- Patrol procedures and professional ethics
- Basic First Aid
- Types and use of Law Enforcement equipment
- Accident investigation, Crime scene investigation, and evidence procedure
- Option to participate in the State Constitution Project

State Constitution Project

Initiated statewide in 2013, The Constitution Project is a fun yet intensive, interactive competition in which high school students gain experience in the fields of journalism, crime scene investigation and trial advocacy. Local professionals in these disciplines mentor the students, but the real magic is that the students are in charge. A mock crime scene is investigated, reported and eventually tried in court - all by students.

The Supreme Court of Missouri's civic education committee selected 16 schools to compete in the 2015 Constitution Project.

Competitors are chosen based on merit and their interest in the three disciplines. In addition, for a local school to be chosen, the community is required to pledge commitments from the school, local judges, law enforcement, media and attorneys.

The project has two primary goals:

1. To give students exciting, hands-on experience in possible future careers that are integral to the United States Constitution and our nation.
2. To give students a greater understanding of and love for the United States Constitution, through personal experience in our constitutional system, including concepts such as freedom of the press, due process and the right to trial by jury.

Winners are named at the team and individual level for each discipline. Individual award winners in the state championships will receive \$1,000 scholarships from sponsoring organizations. Statewide cosponsors of the project include: The Missouri Bar; the Missouri Broadcasters Association; the Missouri Press Association; the Missouri Police Chiefs Association; the Missouri Sheriff's Association; the Missouri State Highway Patrol; and the Supreme Court of Missouri.



Industrial & Engineering Technology

CONSTRUCTION

Woods Technology

[Grades: 9-10] (Credit: 1) [Class may NOT be repeated]

There will be an approximate \$30+ cost for student project supplies.

Emphasis is placed on planning, layouts, and finishing specific jobs. Students will design and build various projects during this course (furniture, cabinets, clocks, shelving). Students will learn basic operation of:

- Laser Engraver
- CNC Router
- Table Saw
- Wood Lathe
- Spray Gun
- Multitude of joinery

Woodworking and Cabinetmaking

[Grades: 10-11] (Credits: 2) [Class may be repeated]

There will be an approximate \$30+ cost for student project supplies.

The program is designed to equip all students with the necessary skills to succeed in a variety of woodworking fields. Students will:

- Design and construct cabinets or furniture
- Utilize a wide variety of woodworking tools



Building Trades

[Grades: 11-12] (Credits: 3) [Class may be repeated]

Dual Credit Available – Industry Recognized Credential available through NCCER (National Center for Construction Education & Research)

Students will gain the knowledge of all forms of construction including:

- Reading blueprints
- Framing and trim finishing
- Plumbing, electrical, and HVAC
- Site planning and excavation

METAL FABRICATION

Welding & Machine Tool

[Grades: 11-12] (Credits: 3) [Class may be repeated]

Dual Credit Available – Industry Recognized Credential available through AWS (American Welding Society)

Metal Fabrication is a course designed to prepare individuals to enter either post-secondary training or the work force as a beginning machinist and/or welder.

Areas of training include:

Machining

- Safety, precision measurement, and blueprint reading
- Use of lathes, mills, surface grinders, and various hand tools

Welding

- Safety, measurement, and blueprint reading
- Training in oxy-fuel cutting, plasma arc cutting, shielded metal arc welding, gas metal arc welding, and gas tungsten arc welding
- Automated plasma arc cutting
- Use of various hand tools



American Welding Society



Industrial & Engineering Technology

COMPUTER INTEGRATION

Computer Repair

Grades: 10-12] (Credits: 2) [May NOT be repeated]
Industry Recognized Credential available through CompTIA

Students will learn the skills necessary to service and repair computers.

Topics include:

- Hardware (Motherboards, RAM, CPUs, Storage, & Peripherals)
- Troubleshooting, Repair, and Maintenance of hardware and software
- Operating Systems and Software (Linux & Windows 7, 8, and 10)
- Basic Networking Fundamentals
- Security (Firewalls, Physical Security, Virus and Malware)

Computer Networking

[Grades: 10-12] (Credits: 2) [May NOT be repeated]
Dual Credit Available - Industry Recognized Credential available through CompTIA

Students will learn the skills necessary to build, service and repair computer networks.

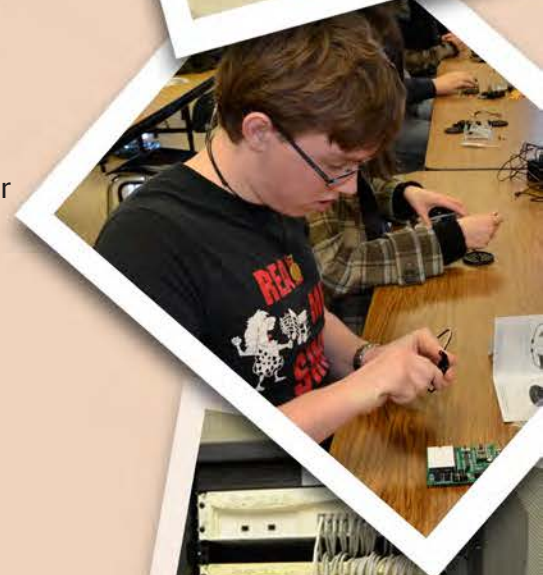
- Technologies (TCP/IP, OSI Model, Network Operating Systems)
- Media (Copper / Fiber Optic Cable and Wireless)
- Topologies (Bus, Ring, Star, Mesh, and Hybrid)
- Devices (Hubs, Switches, Bridges, Routers, Gateways)
- Management, Design, & Troubleshooting
- Tools (Ping, Ipconfig, Tracert, ICMP, etc.)
- Security (Firewalls, Physical Security, Antivirus and Malware)

Game Design

[Grades: 10-12] (Credits: 1) [Class may be repeated once]

Don't just play video games; learn how to make them yourself!

- Use sound and music to enhance the gaming experience
- Create and animate sprites; learn to use textures; create your own original games
- Build challenging rooms and levels
- Learn about the game industry and the available careers within it
- **1st year:** Program 2-D platform, maze, scrolling, isometric, and first person shooters
- **2nd year:** Learn to create & animate 3-D models then place them in a game environment



CompTIA.
THE IT INDUSTRY ASSOCIATION

Advancing the Global
IT Industry

Industrial & Engineering Technology

AUTOMOTIVE TECHNOLOGY

Basic Automotive Maintenance

[Grades: 9-10] (Credit: .5) [Class may NOT be repeated]

This class is designed to teach car owners how to perform the basic service and maintenance associated with vehicle ownership.

Topics include:

- Routine maintenance (oil changes, tune-ups, performance checks)
- Tire repair & maintenance
- Winterization & Summer vehicle checks
- Basic engine design & construction

Automotive Electrical Fundamentals

[Grades: 10-12] (Credits: 2) [May NOT be repeated]

Industry Recognized Credential(s) available through ASE (Automotive Service Excellence)

This program adheres to National Automotive Technician Education Foundation (NATEF) standards, which is certified by ASE.

Major topics include:

- Electrical meter usage & operation
- Ohms Laws application
- Basic circuit theory & diagnostics

Automotive Technology

[Grades: 11-12] (Credits: 3) [Class may be repeated]

Industry Recognized Credential(s) available through ASE (Automotive Service Excellence)

This program adheres to National Automotive Technician Education Foundation (NATEF) Maintenance & Light Repair (MLR) standards, which is certified by Automotive Service Excellence (ASE).

Major topics include:

- Engine Performance
- Brakes
- Steering & Suspension
- Electrical Systems
- Transmissions
- HVAC (Heating, Ventilation and Air Conditioning)
- Hybrid/Electric Vehicle Service



Industrial & Engineering Technology

COLLISION REPAIR

“Wheels” Introduction to Collision Repair

[Grades: 9-10] (Credit: .5) [May not be repeated]

In this course students will:

- Learn all about the automobile
- Learn about automotive customizing
- Learn all the basics of modern collision repair practices
- Work in a very modern well equipped collision repair lab
- Explore careers available in the transportation field

Collision Repair & Customizing Basics

[Grades: 10-12] (Credits: 2) [May be repeated]

Industry Recognized Credential available through I-CAR (Inter-Industry Conference on Auto Collision Repair)

This class is for students to learn the basics of the collision repair industry. Students will:

- Develop an understanding of automobile construction
- Learn about car customization, restoration, and automotive painting
- Gain experience in welding and repair techniques

Collision Repair Technology

[Grades: 11-12] (Credits: 3) [Class may be repeated]

Industry Recognized Credential available through I-CAR (Inter-Industry Conference on Auto Collision Repair)

Collision Repair Technology is an advanced program for students wanting to enter the collision repair field. This class will teach the fundamentals of cosmetic auto body repair, unibody, and full frame repair.

This course exposes students to:

- Advanced welding skills, including MIG, as well as Plasma Arc cutting
- Refinishing techniques for panel repairs, overall refinishing, and custom painting
- Cosmetic marine fiberglass repairs and gelcoat repair procedures
- Measurement, estimating, vehicle construction and the repair process



Industrial & Engineering Technology

MARINE & POWER SPORTS

Intro to Power Sports and Power Equipment Technology

[Grades: 9-10] (Credits: .5) [Class may NOT be repeated]

This is an introductory course for students interested in Power Sports and Power Equipment repair careers.

Students will learn:

- Basic tool identification and use
- Basic power sports and small equipment repair
- Troubleshooting techniques

Power Sports Technology

[Grades: 10-12] (Credits: 2) [Class may be repeated]

This course emphasizes personal watercraft (PWC) all-terrain vehicles (ATV), and motorcycle repair procedures.

Students will learn:

- Motorcycle and ATV repair
- Troubleshooting techniques
- Personal Water Craft (PWC) repair

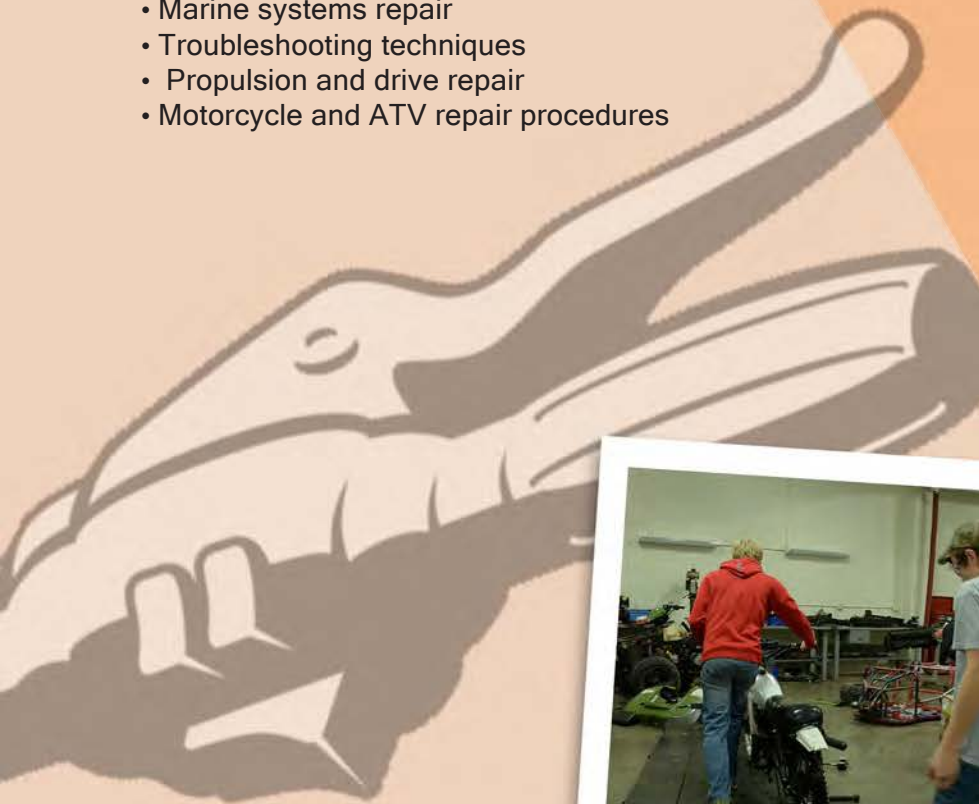
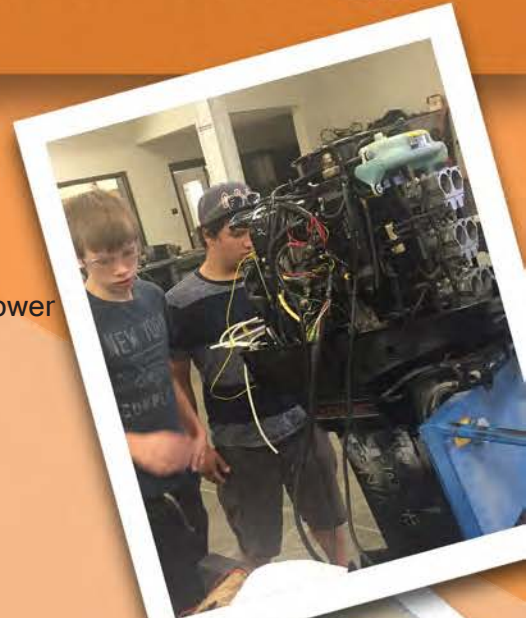
Marine Power & Extreme Sports Technology

[Grades: 11-12] (Credits: 3) [May be repeated]

This program will emphasize various marine and power sports systems.

Students will learn:

- Marine systems repair
- Troubleshooting techniques
- Propulsion and drive repair
- Motorcycle and ATV repair procedures



Students **MAY** be eligible to receive academic credit or a waiver of credit by taking a class at Lake Career & Technical Center. Check with your high school counselor today!

Embedded Credit English:

Technical English is offered for students enrolled in specific 2 or 3 hour courses at LCTC. By completing 2 years of Technical English, students are eligible to earn 1 senior English credit when they score 80% or higher on the following power standards:

- Using standard English to write and orally present information gathered in the specific field of study
- Applying job-related vocabulary to reading and writing, and using strategies to problem solve unknown words
- Reading and evaluating nonfiction writing by following procedures and by summarizing information with relevant supporting details
- Generating formal writing, including business letters, resumes, applications, and research reports
- Comprehending and evaluating content-related lectures and presentations
- Participating in formal and informal presentations
- Performing job skill demonstrations
- Interviewing a professional and submitting a report
- Demonstrating interpersonal skills by working with team members

The courses at LCTC that offer Embedded Credit English include:

- Computer Repair
- Computer Networking
- Crime Scene Investigation / Law Enforcement
- Culinary Arts
- Digital Media Production
- Graphics
- Health Science I
- Health Science II/Clinical Experience
- Introduction to Culinary Arts
- Medical Terminology - The Human Body
- Teacher Education

Embedded Credit Technical Math:

Students enrolled in specified 2 or 3 hour courses at LCTC may be eligible to receive 1 credit in math, over a two year period. The criteria to receive the credit will vary depending on the individual course, but will be determined through the completion of written assignments, lab activities, and evaluations. By completing 2 years of Technical Math, students are eligible to earn 1 senior Math credit when they score 80% or higher on the following math power standards:

- Integers, Exponents, Square Roots, and Scientific Notation
- Fractions, Decimals, and Percents
- Ratio and Proportion
- Statistics, Algebra, Geometry
- Units of Measure

The courses that offer Embedded Credit Technical Math include:

- Agricultural Power & Construction
- Automotive Electrical Fundamentals
- Automotive Technology
- Building Trades
- Collision Repair & Customizing Basics
- Collision Repair Technology
- Marine Power & Extreme Sports Technology
- Power Sports Technology
- Woodworking & Cabinetmaking
- Welding & Machining



Embedded Credit Technical Science:

Students enrolled in specified 2 or 3 hour courses at LCTC may be eligible to receive 1 credit in science, over a two year period. This science credit may be obtained only as a student's fourth unit of science. The first three science credits must be obtained through regular high school science courses. The criteria to receive the credit will vary depending on the individual course, but will be determined through the completion of written assignments, lab activities, and evaluations. The science power standards covered may include the following:

Describing the energy transformations that relate to living organisms as well as non-living systems.

Formulating a testable question, writing a valid hypothesis, identifying appropriate variables, and designing, conducting, and interpreting data from a valid experiment.

Demonstrating vocabulary and reading strategies by using prefixes, suffixes, and context clues to predict the meaning of scientific terminology, including, but not limited to lab reports, journal articles, and abstracts.

Outlining the physical and chemical properties of substances.

The courses at LCTC that offer Embedded Credit Technical Science include:

- Animal Science
- Conservation of Natural Resources
- Livestock Operations & Management
- Turf & Landscape Management

Fine Arts Waiver:

Students may be able to waive 1 (one) fine arts credit if they enroll in and successfully complete a total of 3 (three) credits in any of the following fine arts-based courses at LCTC with counselor approval:

- Digital Media Production
- Graphics
- Photography

Science Waiver:

Students may be able to waive 1 (one) science credit (excluding Biology) if they enroll in and successfully complete a total of 3 (three) credits in any of the following science-based courses at LCTC with Counselor approval:

- Animal Science
- Conservation of Natural Resources
- Greenhouse Production
- Health Science I
- Health Science II/Clinical Experience
- Introduction to Agriculture
- Livestock Operations & Management
- Turf & Landscape Management

Career & Technical Student Organizations:

Students are strongly encouraged to become a member and actively participate in the career and technical student organization associated with the class offered. The following student organizations are available at LCTC: FFA; Future Teachers of America (FTA); and SkillsUSA. Benefits of being an active participant include:

- Belong to a positive group
- Community involvement
- Networking opportunities and meeting new people
- Leadership possibilities
- Enhance your resume for both job and scholarship applications
- Provides an opportunity to excel
- Gain confidence through competition
- Work as part of a team
- Many LCTC honors incorporate active participation in a student organization





P.O. Box 1409
269 Dare Blvd
Camdenton, MO 65020
573) 346-9260

LAKE CAREER & TECHNICAL CENTER

LCTC

Lake Career &
Technical Center