

# 2023 - 2024

# Brookfield High

# School

## Course Catalog



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*"Our goals can only be reached through the vehicle of a plan, in which we must fervently believe, and upon which we must vigorously act. There is no other route to success." – Stephen A. Brennan*

## Graduation Requirements

CURRICULAR AREA	BHS GRADUATION REQUIREMENTS = 36 CREDITS
<p align="center"><b>Communication Arts (4 Credits Required)</b></p>	<p><b>Must Have:</b> Freshman Composition, Language Arts 1, Language Arts 2 and American Literature</p> <p><b>Choice Of:</b> Career English, College Literature, College English 101 and 102, College Speech, British Literature, American Authors, Great Books</p> <p><b>EOC Exams In:</b> Language Arts 1 &amp; 2</p>
<p align="center"><b>Mathematics (3 Credits Required)</b></p>	<p><b>Choice Of:</b> Pre-Algebra, Algebra 1, Geometry, Algebra 2, Career Math, Trigonometry, College Algebra, Calculus, Physics, Statistics</p> <p><b>EOC Exams In:</b> Algebra 1, Geometry, and Algebra 2</p>
<p align="center"><b>Science (3 Credits Required)</b></p>	<p><b>Must Have:</b> Physical Science (9<sup>th</sup>), Biology (10<sup>th</sup>)</p> <p><b>Choice Of:</b> Earth Science, Chemistry 1, College Biology, Forensics, Astronomy, Physiology &amp; Anatomy, Zoology, Environmental Science</p> <p><b>EOC Exams In:</b> Biology</p>
<p align="center"><b>Social Sciences (3 Credits Required)</b></p>	<p><b>Must Have:</b> American History, World History, American Government</p> <p><b>Choice Of:</b> Current Issues, U.S. Geography or World Geography, Economics, Minority Studies, Cold War, AP Psychology, U.S. Presidents I &amp; II, College U.S. History I &amp; II, American History through Song, International Relations,</p> <p><b>EOC Exams In:</b> American History and American Government</p>
<p align="center"><b>Fine Arts (1.5 Credits Required)</b></p>	<p><b>Choice Of:</b> Art 2D, Art 3D, Art Appreciation, Advanced Art, Ceramics, Chamber Choir (audition), Beginning Guitar, Beginning Guitar II, Music Appreciation, Band/Instrumental Music (Marching and/or Concert), Vocal Music</p>
<p align="center"><b>Practical Arts (1.5 Credits Required)</b></p>	<p><b>Must Have:</b> Computer Applications 1 &amp; 2 (9<sup>th</sup>) and Personal Finance (11<sup>th</sup>)</p> <p><b>Choice Of:</b> Linn County Area Career and Tech Center Classes</p>
<p align="center"><b>Physical Education (2 Credits Required)</b></p>	<p><b>Choice Of:</b> Advanced Fitness, Team Sports, Cardio</p>
<p align="center"><b>Health Education (.5 Credit Required)</b></p>	<p><b>Must Have:</b> Health Class</p>
<p align="center"><b>Electives</b></p>	<p align="center"><b>17 Credits</b></p>
<p align="center"><b>Totals</b></p>	<p align="center"><b>36 Credits</b></p>

### Matrix of Brookfield High School Course Offerings – Core Classes

	Courses	Credit	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
L A N G U A G E	Language Arts 1	1.0	X			
	Freshman Composition	0.5	X			
	Language Arts 2	1.0		X		
	American Literature	1.0			X	
	American Authors	1.0		X	X	X
	Career English	0.5				X
	College English 1 & 2 (DC)	1.0 Each				X
	College Speech (DC)	0.5			X	X
	College Literature (DC)	0.5			X	X
	Creative Writing	0.5		X	X	X
	Great Books	0.5			X	X
	Graphic Novels	0.5		X	X	X
	Yearbook	1.0		X	X	X
	Photojournalism	1.0	X	X	X	X
M A T H	Pre-Algebra	1.0	X			
	Algebra 1	1.0	X	X		
	Geometry	1.0	X	X		
	Algebra 2	1.0		With Approval	X	X
	Career Math	1.0			X	X
	Calculus	1.0			X	X
	Statistics and Probability	0.5			X	X
	Physics	0.5			X	X
	College Algebra (DC)	0.5				X
	Trigonometry (DC)	0.5			X	X
S C I E N C E	Biology	1.0		X	X	X
	Chemistry	1.0		X	X	X
	College Biology (DC)	1.0			X	X
	Earth Science	1.0	X	X	X	X
	Forensic Science	0.5	X	X	X	X
	College Biodiversity (DC)	1.0			X	X
	College Environmental Sci (DC)	1.0			X	X
	Physical Science	1.0	X	X	X	X
	Exploratory Science	0.5	X	X	X	X
	Astronomy	0.5	X	X	X	X

### Matrix of Brookfield High School Course Offerings – Core Classes, continued

	Courses	Credit	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	
S O C I A L S C I	American Government	1.0			X	X	
	American History	1.0	X				
	AP Psychology	1.0			X	X	
	Cold War	0.5	X	X	X	X	
	College U.S. History 1 & 2 (DC)	0.5 each			X	X	
	Current Issues	0.5	X	X	X	X	
	Economics	0.5	X	X	X	X	
	Controversy and the Court	0.5		X	X	X	
	International Relations	0.5		X	X	X	
	Minority Studies	0.5	X	X	X	X	
	U.S. Geography	0.5	X	X	X	X	
	World Geography	0.5	X	X	X	X	
	World History	1.0		X			
	American History thru Song	0.5			X	X	X
	American History thru Film	0.5			X	X	X

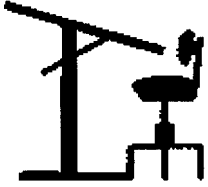
### Matrix of Brookfield High School Course Offerings – Non-Core Classes

	Courses	Credit	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
F I N E A R T S	Art 2D Foundations	1.0		X	X	X
	Art 3D Foundations	1.0	X	X	X	X
	Art 2D Phonetography	0.5		X	X	X
	Art 2D Drawing	0.5		X	X	X
	Art 2D Painting	0.5		X	X	X
	Art 2D Printmaking	0.5		X	X	X
	Art 3D Ceramics	0.5		X	X	X
	Art 3D Fibers	0.5		X	X	X
	Art 3D Sculpture	0.5		X	X	X
	Art 3D Crafts	0.5		X	X	X
	Art Appreciation-Art in America	0.5	X	X	X	X
	Art Appreciation- Art and Techn.	0.5	X	X	X	X
	Art Appreciation- Modern & Cont	0.5	X	X	X	X
	Art Appreciation-Alt & Outsider	0.5	X	X	X	X
	Beginning Guitar	0.5	X	X	X	X
	Concert Band	1.0	X	X	X	X
	Marching Band	1.0	X	X	X	X
	Vocal Music	1.0	X	X	X	X
	Music Appreciation	0.5	X	X	X	X
	Chamber Choir	1.0	X	X	X	X

## Matrix of Brookfield High School Course Offerings – Non-Core Classes, continued

	<b>Courses</b>	<b>Credit</b>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>
<b>H E A L T H - P E</b>	<b>Health</b>	<b>0.5</b>	<b>X</b>			
	<b>Team Sports</b>	<b>0.5</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
	<b>Cardio Fitness</b>	<b>0.5</b>			<b>X</b>	<b>X</b>
	<b>Advanced Fitness</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
<b>F L</b>	<b>Spanish 1</b>	<b>1.0</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
	<b>Spanish 2</b>	<b>1.0</b>		<b>X</b>	<b>X</b>	<b>X</b>
<b>O T H E R</b>	<b>A+ Mentoring (By Application)</b>	<b>0.5</b>			<b>2<sup>nd</sup> Semester Juniors</b>	<b>X</b>
	<b>Child Development</b>	<b>0.5</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
	<b>Independent College Enrichment</b>	<b>0.5</b>				<b>X</b>

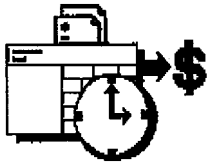
## Career Paths and Career Clusters



### **Arts & Communications (Creative Path)**

These occupations are related to the humanities and the performing, visual, literary and media arts. They may include architecture, interior design, creative writing, fashion design, film, fine arts, graphic design and production, journalism, language, radio, television, advertising and public relations.

*Career Clusters: Arts, A/V Technology and Communications*



### **Business Management & Technology (Business Path)**

These occupations are related to the business environment. They may include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.

*Career Clusters: Information Technology; Finance; Marketing; Business Management and Administration*



### **Health Services (Health Path)**

These occupations are related to the promotion of health and the treatment of disease. They may include research, prevention, treatment and related technologies.

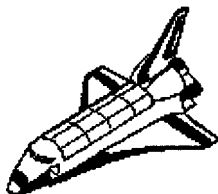
*Career Clusters: Health Science*



### **Human Services (Helping Path)**

These occupations are related to economic, political and social systems. They may include education, government, law and law enforcement, leisure and recreation, military, religion, Childcare and social services.

*Career Clusters: Human Services; Hospitality and Tourism; Government and Public Administration; Law, Public Safety, Corrections and Security; Education and Training*



### **Industrial & Engineering Technology (Building & Fixing Path)**

These occupations are related to the technologies necessary to design, develop, install or maintain physical systems. They may include engineering, manufacturing, construction, service and related technologies.

*Career Clusters: Science, Technology, Engineering and Mathematics; Architecture and Construction; Manufacturing; Transportation, Distribution and Logistics*



### **Natural Resources, Agriculture (Nature Path)**

These occupations are related to the environment and natural resources. They may include agriculture, earth science, environmental sciences, fisheries, forestry, horticulture and wildlife.

*Career Clusters: Agriculture, Food and Natural Resources*

#### **BHS Elective Courses**

- All English Classes
- Art
- Band

#### **Career Clusters**

- Arts
  - Visual Arts
  - Performing Arts

## *Creative Path*

### **Foundation Knowledge & Skills**

#### **Academic & Technical Skills**

- Teamwork
- Career Develop Information
- Technology Application
- Problem Solving
- Critical Thinking Employability
- Ethics
- Legal Responsibilities
- Communication

**LCACTC Courses**

- Graphic Arts
- Web Design
- Multimedia

#### **Traits / Interests**

- Creative / Insightful
- Innovative
- Enjoys working with audio, visual, graphic, or written media
- Lifelong Learner
- Expressive / Entertaining
- Outgoing

### **Career Options By Educational Requirements**

School to Work/Military	Career/Technical School Community College	Four Year College or University
Audio-Visual Specialist Engraver Floral Designer / Florist Model Motion Picture Projectionist Musician Sign Painter / Letterer	Artist Broadcaster Technician Commercial Artist Custom Tailor Dancer Film Editor Graphic Artist Interior Decorator Jeweler / Silversmith Merchandise Displayer Photographer Producer / Director Radio / TV Announcer Writer	Audio & Video Tech Architect Artist or Actor Choreographer Communications Manager Composer Editor or Journalist Interpreter / Translator Music Director Newscaster Reporter / Broadcaster Technology & Film Visual / Performing Arts Music / Art Teacher

# BUSINESS, MANAGEMENT & TECHNOLOGY CAREER PATH

- BHS Elective Courses**
- College Psychology
  - College Sociology
  - College Speech
  - US Geography
  - World Geography

- LCACTC Courses**
- Accounting
  - Advanced Accounting
  - Intro to Business
  - Personal Finance
  - Employment Skills
  - Banking and Financial Services
  - Business Communications

## *Business Path* Knowledge & Skills

### Academic & Technical Skills

- Teamwork
- Career Develop Information
- Technology Application
- Problem Solving
- Critical Thinking
- Employability
- Ethics
- Legal Responsibilities
- Communication

### Traits / Interests

- Stress Management Skills
- Verbal/Writing Skills
- Computer Skills
- Delegation of Skills
- Leadership/Management Skills
- Time Management

## Career Clusters

- **Information Technology**  
*Network Systems*  
*Information Support and Services*  
*Interactive Media*  
*Programming and Software Development*
- **Finance**  
*Financial and Investment Planning*  
*Business Financial Management*  
*Banking and Related Services*  
*Insurance Services*
- **Business Management and Administration**  
*Management*  
*Business Financial Management and Accounting*  
*Human Resources*  
*Business Analysis*
- **Marketing**  
*Marketing and Entrepreneurship*  
*Professional Sales and Marketing*  
*Buying and Merchandising*  
*Marketing Communications and Promotion*  
*Marketing Information Management and Research*  
*Distribution and Logistics*  
*E-Marketing*

## Career Options By Educational Requirements

School to Work/Military	Career/Technical School	Four Year College or University
Bank Teller	<b>Community College</b>	Accountant / Auditor
Bookkeeping	Administrative Manager	Budget Analyst
Clerk / Cashier	Clerical Supervisor	Computer Systems
Customer Service	Computer Operator	Consultant
Data Entry	Computer Programmer	Economist / Finance
Dispatcher	Court Reporter	Education Administrator
Insurance Adjuster	Credit Analyst	Executive
Postmaster	Legal Secretary	Marketing / Advertising
Property / Real Estate	Paralegal Assistant	Mathematician
Receptionist	Safety & Corrections	Statistician
Retail Salesperson	Real Estate Appraiser	Title Examiner /Searcher
Tax Examiner	Restaurant Manager	Financial Management
Truck Driver	Sales Manager	Web Designer



## HEALTH SERVICES CAREER PATH

- BHS Elective Courses**
- Cardio
  - Chemistry
  - College Biology
  - College Psychology
  - College Sociology
  - College Speech
  - Health
  - Physiology & Anatomy
  - Spanish
  - Team Sports

- LCACTC Courses**
- Ag Science 1
  - Ag Science 2
  - Adv Animal Science
  - Wildlife Biology
  - Intro to Health Science
  - Health Science 1
  - Health Science 2
  - Pharmacology
  - Human Body
  - Medical Terminology
  - Mental Health

- Knowledge & Skills**
- Academic & Technical Skills**
- Teamwork
  - Career Develop Information
  - Technology Application
  - Problem Solving
  - Critical Thinking
  - Employability
  - Ethics
  - Legal Responsibilities
  - Communication

- Traits / Interests**
- Enjoy helping people/animals
  - Compassionate & Caring
  - Good Listener
  - Conscientious & Careful
  - Enjoy studying anatomy and disease

- Career Clusters**
- **Health Services**
- Biotechnology research and development*
- Therapeutic Services*
- Diagnostic Services*
- Health Informatics*
- Support Services*

<b>Career Options By Educational Requirements</b>		
<b>School to Work/Military</b>	<b>Career/Technical School Community College</b>	<b>Four-Year College Or University</b>
Admitting Personnel	Biomed Equipment Tech.	Biomed Engineer
Chemical Dependency	Dental Assistant	Chiropractor
Counselor	Emergency Medical Tech.	Dentist
Nursing Assistant	Geriatric Aide	Medical Records Admin.
Physical Therapy Aide	Home Health Care Aide	Nutritionist/Dietitian
Technicians	Licensed Practical Nurse	Occupational Therapist
Dental Laboratory	Medical Assistant/Secretary	Pharmacist
Electrocardiograph	Paramedic	Physical Therapist
Medical Records	Physical Assistant	Physician/Surgeon
Pharmacy	Respiratory Therapy Tech.	Registered Nurse (RN)
Unit Clerk	Surgical Technologist	Respiratory Therapist
	Therapist	Speech-Language Therapist
	Radiology	

# HUMAN SERVICES CAREER PATH

## *Helping Path*

### Knowledge & Skills

#### BHS Elective Courses

- All Social Sciences
- Band
- Choir
- College Psychology
- College Sociology
- College Speech
- Current Issues
- Foods & Nutrition
- Minority Studies
- Parenting
- Spanish

#### Academic & Technical Skills

- Teamwork
- Career Develop Information
- Technology Application
- Problem Solving
- Critical Thinking
- Employability
- Ethics
- Legal Responsibilities
- Communication

#### Traits / Interests

- Serving Others
- Lifelong Learner
- Compassion & Integrity
- Listening Skills
- Time Management
- Leadership Skills
- Teaching & Advising

#### LCACTC Courses

- Early Childhood Prof 1
- Early Childhood Prof 2
- Business Communications
- Banking and Financial Services
- Employment Skills

#### Career Clusters

- **Human Services**  
*Early Childhood Development and Services*  
  
*Counseling and Mental Health Services*  
*Family and community Services*  
*Personal Care Services*

#### Consumer Services

- **Hospitality and Tourism**  
*Restaurants and Food and Beverage Services*  
*Recreation, Amusement and Attractions*  
*Travel and Tourism Lodging*

#### Government & Public Admin.

- **Government & Public Admin.**  
*Public Management and Administration*  
*Governance*  
*National Security*  
*Foreign Service*  
*Planning*  
*Revenue and Taxation Regulation*

#### Law, Public Safety, Corrections, and Security

- **Law, Public Safety, Corrections, and Security**  
*Emergency and Fire Management Services*  
*Security and Protective Services*  
*Law Enforcement Services*  
*Legal Services*

#### Education and Training

- **Education and Training**  
*Administration and Administrative Support*  
*Professional Support Services*  
*Teaching and Training*

### Career Options By Educational Requirements

School to Work/Military	Career/Technical School Community College	Four Year College or University
Baker	Barber	Anthropologist
Bus Driver	Chef	Archaeologist
Butcher	Correctional Officer	Archivist
Child Care Worker	Firefighter Supervisor	Coach
Chimney Sweep	Fire Inspector	College Faculty
Cook	Flight Attendant	Member
Customer Service Clerk	Funeral Director / Mortician	Counselor
Dishwasher	Cosmetologist	Historian
Fire Fighter	Legal Technician	Judge / Lawyer
Host / Hostess	Social Service Technician	Librarian
Janitor / Maid	Substance Abuse Counselor	Parole & Probation Officer
Teacher Aide	Teacher Substitute	Political Scientist
Waiter / Waitress	Officer	Psychologist
		Social Worker
		Teacher
		Hospitality & Tourism

# INDUSTRIAL & ENGINEERING TECHNOLOGY CAREER PATH

## *Building & Fixing Path*

- BHS Elective Courses**
- All Math
  - All Social Sciences
  - Chemistry
  - College Speech
  - Spanish
  - Trigonometry

- LCACTC Courses**
- Ag Sci 1, 2
  - Ag Construction
  - Auto Mechanics
  - Building Trades
  - Computer Tech 1, 2
  - Welding

**Knowledge & Skills:**

**Academic & Technical Skills**

- Teamwork
- Career Develop Information
- Technology Application
- Problem Solving
- Critical Thinking
- Employability
- Ethics
- Legal Responsibilities
- Communication

**Traits / Interests**

- Independent Judgment
- Planning/Organizational skills
- Technical Work Skills
- Practical / Logical
- Guide activities to achieve a goal

- Career Clusters**
- **Manufacturing**  
*Production  
Process Development*
  - **Transportation, Distribution and Logistics**  
*Transportation  
Logistics  
Warehousing and  
Distribution Center  
Operations  
Mobile Equipment  
Maintenance  
Sales and Service  
Infrastructure planning*
  - **Science, Technology, Engineering & Math**  
*Engineering & Tech  
Science & Math*
  - **Architecture and Construction**  
*Design Construction  
Pre-Construction  
Maintenance &  
Operations*

<b>Career Options By Educational Requirements</b>		
<b>School to Work/Military</b>	<b>Career/Technical School Community College</b>	<b>Four Year College or University</b>
Airport Utility Worker	Air Traffic Controller	Architect
Automotive Body Repairer	Aircraft Mechanic	Aerospace Engineer
Blacksmith	Aircraft Pilot	Biomedical Engineer
Blasters/Explosive	Ambulance	Chemical Engineer
Carpenter	Construction Inspector	Civil Engineer
Construction Worker	Electrician	Electrical Engineer
General Maint.	Heating/Air Cond. Repair	Industrial Engineer
Highway Maint. Worker	Power Plant Operator	Mechanical Engineer
Locksmith	Production Supervisor	Nuclear Engineer
Machinist	Surveyor	Petroleum
Mechanic	Chemical Technician	Geographer
Taxi Driver	Truck Driver	Solar Designer
	Welder	Robotics
	Upholster	
	Sheet Metal Worker	

# NATURAL RESOURCES/AGRICULTURE CAREER PATH

## *Nature Path*

### **BHS Elective Courses**

- Chemistry
- College Biology
- Current Issues
- Physiology & Anatomy
- Social Sciences
- Spanish
- Zoology

### **LCACTC Courses**

- Ag Sci 1, 2
- Ag Construction
- Wildlife Biology
- Adv Animal Science
- Agribusiness
- Ag Communications
- Auto Mechanics
- Building Trades
- Computer Tech 1, 2
- Welding

### **Knowledge & Skills:**

#### **Academic & Technical Skills**

- Teamwork
- Career Develop Information
- Technology Application
- Problem Solving
- Critical Thinking
- Employability
- Ethics
- Legal Responsibilities
- Communication

#### **Traits / Interests**

- Continuous Learner
- Individual Initiative
- Nature Lover
- Like to observe, learn, investigate & problem solve
- Curious about the physical world

### **Career Clusters**

- **Agriculture, Food and Natural Resources**

*Agribusiness Systems*

*Animal Systems*

*Food Products and Processing Systems*

*Natural Resources and Environmental Service Systems*

*Power, Structural and Technical Systems*

*Plant Systems*

### **Career Options By Educational Requirements**

<b>School to Work/Military</b>	<b>Career/Technical School Community College</b>	<b>Four Year College or University</b>
Ag Technician	Agricultural Supervisor	Agricultural Engineer
Animal Caretaker	Ag Management	Agronomist
Farm Machinery Operator	Grain Elevator Supervisor	Animal Scientist
Farm Manager	Sports Turf Management	Astronomer
Fish Hatchery Worker	Biochemistry	Botanist
Forestry Worker	Technologist	Environmental Analyst
Keeper	Microbiology	Fish and Game Warden
Agriculture Inspector	Technologist	Forester / Conservationist
Landscape Gardener	Landscape Artist	Geologist
Livestock Worker	Conservation	Horticulturist
Logger		Marine Biologist
Pest Control Worker		Meteorologist
Weather Observer		Soil Conservationist

# English Language Arts

## 4 Credits Required

Required Courses: Freshman Composition, Language Arts I, Language Arts II, American Literature

### Freshman Composition

This course is a foundational course for all freshmen at BHS. Students will practice narrative, expository, and argumentative writing styles, as well as the concept of blending writing styles. Students will develop expertise in grammar and usage while composing original text and participating in peer editing. The focus will be on developing the skills necessary to be successful in all English classes required of the student through high school and beyond.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None (Required Class)</b>	<b>Assessment:</b>	

### Language Arts 1

This course is a foundational course for all freshmen at BHS. Students will develop their skills in language through the introduction and study of literary genres, which include short stories and novels, non-fiction, poetry, and drama. These texts will provide students multiple opportunities to engage in reading comprehension strategies and text analysis.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>None (Required Class)</b>	<b>Assessment:</b>	<b>End of Course Exam</b>

### Language Arts 2

All courses in the Language Arts department begin with 8 core skills in reading, writing, and language. This sophomore level course will build on the basic skills introduced in Language Arts I and allow students to challenge themselves with more sophisticated reading and writing tasks. While studying essential texts like Shakespeare's *Julius Caesar* and Harper Lee's *To Kill A Mockingbird*, students will engage in a variety of reading and writing tasks, utilizing current technology when possible. In all activities, students are expected to conform to standard grammar and usage rules. Active participation in this course will allow students to become more articulate communicators and will give them a necessary boost in skills to be ready for junior-level courses.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>Prefer LA 1 prior to LA 2, but both required)</b>	<b>Assessment:</b>	<b>End of Course Exam</b>

## American Literature

All courses in the Language Arts department begin with 8 core skills in reading, writing, and language. This junior-level course focuses on classic American literature and well-known American authors like Nathaniel Hawthorne, Edgar Allan Poe, Mark Twain, and Emily Dickinson. The class texts will be used as a springboard for developing students' practical communication skills. Students will have numerous opportunities to practice responding to print and non-print media, with an emphasis on workplace communications. Successful completion of this course will improve a student's written and verbal communication skills to prepare them for the real-world application of Language Arts.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>LA 1 &amp; LA 2 (Required Class)</b>	<b>Assessment:</b>	<b>Final</b>

## Career English

This course is designed to help students develop practical work and communication skills. Students will complete the Write for Work business communications workbook and then use those skills to plan a business luncheon. Through real world applications, students will speak, write, and read to gain proficiency with key skills necessary for post-graduate success.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem - Every other day</b>
<b>Prerequisite:</b>	<b>LA 1 &amp; LA 2</b>	<b>Assessment:</b>	

## College English 1

This course is an introduction to expository and argumentative writing, emphasizing reading, critical thinking, and analytical writing skills. Several short papers are assigned, with emphasis on the writing process. This course may be taken for high school credit and if the student chooses, also for college credit through North Central Missouri College (Course number EN101).

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup> &amp; 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost If Applicable</b>
<b>Supplies:</b>	<b>Highlighters</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>American Literature (A or B)</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		
<b>Dual Credit Prerequisite:</b>	Qualifying ACT or Accuplacer Score (according to NCMC Dual Credit Handbook)		

## College English 2

A continuation of ENG 101, emphasizing longer, more analytical writing forms. Organizational skills are developed through the outline and summary units; analytical reading and critical thinking are studied in conjunction with the textbook, *They Say; I Say*. A thorough use of library and online resources is required for the bibliography unit and the final argumentative research paper of 8-10 pages in length. This course may be taken for high school credit and, if the student chooses, also for college credit through North Central Missouri College (Course number EN102).

**Dual Credit Prerequisite:** Successful completion of EN101 (NCMC credit) in order to take for dual credit.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup> &amp; 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost If Applicable</b>
<b>Supplies:</b>	<b>Highlighters</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>Successful completion of Coll English 1</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

### College Literature

This course introduces students to the college-level study of literature by focusing on a thematically arranged selection of literary texts. Students will read poetry, plays, short fiction, and a novel, will respond to the literature analytically and responsively, and will learn to value their own as well as others' interpretations. This course may be taken for high school credit and, if the student chooses, also for college credit through North Central Missouri College.

**Dual Credit Prerequisite:** Successful completion or concurrent enrollment of EN101 (NCCMC credit) in order to take for dual credit.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup> &amp; 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost If Applicable</b>
<b>Supplies:</b>	<b>Highlighters</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>Successful completion of Coll English 1</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

### Creative Writing

This course is designed to explore the writing process in a variety of forms through group collaboration and individual writing. Students will learn the process of writing, proofing and editing skills, and making corrections to improve their writing styles and skills. They will also explore various genres and types of writing. Throughout this course, students will reflect upon their voice, identity, and style as a writer. Students should expect to keep a journal as a requirement of the course.

<b>Credits</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Semester – Every Other Day</b>
<b>Prerequisite:</b>	<b>LA 1</b>	<b>Assessment:</b>	

### College Speech

This is a dual enrollment class for college-bound students or students who wish to improve public speaking skills. The course will provide an introduction to the public speaking process. Students will develop research skills to support speeches, and develop skills in conducting and participating in both group discussion and public speaking. Course requirements are set by North Central Missouri College.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost</b>
<b>Supplies:</b>	<b>Package of 3 X 5 Index Cards</b>	<b>Course Meets:</b>	<b>Semester –</b>
<b>Prerequisite:</b>	<b>LA 1 &amp; LA 2 and instructor approval</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

### **Great Books**

This course is designed to provide reading opportunities for both college-bound and non college-bound students. Students will read fiction books that are meant to challenge them while also encourage them in the habit of lifelong reading. Students will read in whole groups and independently and communicate effectively and creatively in oral and written form. They will explore issues together, interacting with novels and each other through listening, speaking, reading, writing, and viewing to discover that literature reflects life and culture. In this course, we read a number of great fiction books from a wide range of time periods, subject areas, and cultures.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10th, 11th, 12th</b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>		<b>Course Meets:</b>	<b>Semester –</b>
<b>Every Other Day</b>			
<b>Prerequisite:</b>	<b>LA I</b>	<b>Assessment:</b>	

### **American Authors**

This is a one-semester course which focuses on literary works from 1945 to present. Literature will carry a modern voice and universal themes, adult in nature. Choices include *Fahrenheit 451*, *The Color Purple*, and *The Things They Carried*, as well as excerpts from movements such as Modernism, Postmodernism, etc... Students will respond to the themes and issues discussed in the literature within a personal context through reading and writing responses.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10th, 11th, 12th</b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>		<b>Course Meets:</b>	<b>Semester –</b>
<b>Every Other Day</b>			
<b>Prerequisite:</b>	<b>LA I</b>	<b>Assessment:</b>	

### **Graphic Novels**

This semester-long course will use Scott McCloud's essential text, *Understanding Comics*, to develop a common vocabulary and context by which students may analyze an assigned group of approved graphic novels. Students will develop proficiency in analysis of the visual form through modeling of effective visual literacy strategies by the instructor, Mrs. Black. They will be given opportunities to practice this knowledge through independent reading, reflective assignments, class discussions, and extension activities that allow them to put new visual literacy skills to use.

<b>Credits</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Writing Utensils</b>	<b>Course Meets:</b>	<b>Semester – Every Other</b>
<b>Day</b>			
<b>Prerequisite:</b>	<b>LA 1</b>	<b>Assessment:</b>	



## **Yearbook**

This fast-paced course is designed to teach the skills necessary to produce the BARK yearbook, which offers a complete record of an entire school year. The year begins by planning the coverage for the school year and designing a unifying theme for the book. Students will study magazine journalism including layout and design techniques, writing and editing copy, headlines and picture captions. This course provides the study of and practice in gathering and analyzing information, interviewing, note taking and photography. Students will learn strategies of planning, marketing and distribution of the yearbook. Students will learn proofing strategies and work independently with various staff members. At times, deadlines required that staff members work after school, on weekends, and holidays. Students will learn good work habits and are responsible for all phases of yearbook publication. To be successful in this class, students must be detail oriented and meet all deadlines.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Information Technology</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/Every other day</b>
<b>Prerequisite:</b>	<b>Recommendation/Instructor approval</b>	<b>Assessment:</b>	<b>Layout/Spread</b>

**Completion**

## **Photojournalism**

Used as an introductory course for Yearbook and Graphic Arts, this computer based course is designed to introduce students to standard journalism practices including photography, writing, design, and time management. Students will be required to use a SLR camera to take photographs during class, as well as after school events. Students will learn about and use Google Slides to create the digital daily school news, *Kibbles 'n Bits*.

Students will be required to attend some functions outside of school. Transportation will not be provided. Students will be informed of events in advance.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9th, 10th, 11th, 12th</b>
<b>Path:</b>	<b>Information Technology</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/Every other day</b>
<b>Prerequisite:</b>	<b>Instructor approval</b>	<b>Assessment:</b>	<b>Final</b>

# **MATHEMATICS**

## **BHS GRADUATION REQUIREMENTS – 3 CREDITS**

### **Pre-Algebra**

Pre Algebra provides the mathematical background, skills, and thinking processes necessary for the successful completion of Algebra 1. Topics in Pre Algebra that will be covered are as followed: (1) Whole Numbers (2) Integers (3) Rationales (4) Decimals and their applications (5) Number theory (6) Ratios (7) Proportions and measurement (8) Percents (9) Equations and inequalities (10) Graphing, functions and sequences (11) Square roots (12) Data and probability (13) Appropriate geometric concepts. In addition Pre Algebra clearly identifies each student's basic math skill level and serves as a means to strengthen those skills. The instructional program of this course provides for the understanding and use of the concepts as well as their application through appropriate problem solving situations. Upon successful completion of Pre Algebra a student's next math class will be Algebra 1.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup> or As Needed</b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Calculator, Notebook, Pencils</b>	<b>Course Meets:</b>	<b>Year – Every other day</b>
<b>Prerequisite:</b>	<b>Teacher Placement</b>	<b>Assessment:</b>	<b>Practice EOC</b>

### **Algebra 1**

This course represents the base foundation for all other high school math classes. It is the first stop into basic algebraic operations such as solving, graphing, and writing linear equation; inequalities; system of equations; powers and exponents. This course is considered an accelerated course with daily homework and assignments. Students will be expected to put in study time outside the school day. Solid basic math skills upon entering are critical.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Calculator, Notebook, Pencils</b>	<b>Course Meets:</b>	<b>Year – Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>End of Course Exam</b>

### **Geometry**

This is a course that develops logical thinking about everyday problems through the study of plane figures such as triangles, quadrilaterals, perpendiculars, parallels, equalities, and inequalities. Through the study of solid figures, the student will gain a concept of depth and an awareness of the three dimensions. Construction of various types of polygons and a study of ratio and proportions involving the many geometrical figures will prepare the student for more advanced work in mathematics and science.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Scientific Calculator</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>Successful Completion of Adv. Algebra</b>	<b>Assessment:</b>	<b>End of Course Exam</b>

## Algebra 2

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The content of this course are important for students' success on both the ACT and college mathematics entrance exams.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Scientific Calculator</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>Geometry</b>	<b>Assessment:</b>	<b>End of Course Exam</b>

## College Algebra

This is a dual enrollment class for the college-bound so that they may receive both high school credit and college credit while still in high school. Topics covered will include: linear and quadratic systems of equations, graphical methods, matrices, sequences and series, logarithms, complex numbers, theory of equations, and the binomial theorem. A car or house financing project will be included in the course.

**Dual Credit Prerequisite:** Appropriate score on ACT or NCMC Test Equivalent (ACCUPLACER) to take for dual credit.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost If Applicable</b>
<b>Supplies:</b>	<b>Scientific Calculator</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or Better in Algebra 2</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

## Trigonometry

This is a dual enrollment class for the college-bound so that they may receive both high school credit and college credit while still in high school. This is a course focused on a geometric foundation of trigonometry, unit circles, graphs of circular functions, identities, equations and inequalities using graphing calculators to support results. Other topics include inverse circular functions, laws of sines and cosines, vector and complex numbers. **For College Credit:** ACT score of 22 or more on math section.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost If Applicable</b>
<b>Supplies:</b>	<b>Scientific Calculator</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or Better in Algebra 2</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

## Calculus

This class will cover the following topics: elementary analytic geometry, functions, limits, continuity, derivatives, anti-derivatives, and definite integrals. This class is primarily for B.S. or B.A. degree seeking students.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Scientific Calculator</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or Better in College Algebra</b>	<b>Assessment:</b>	<b>ACT Test</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

### **Statistics and Probability**

Statistics and Probability is a study of data and the likelihood of an event to occur. Describing properties of data and drawing conclusions about a population based on information in a sample. Students will be able to represent data in various forms and use data formulas to calculate specific values that can be used to draw the conclusions of the set of data. They will be able to determine the number of possible outcomes and the probability of a specific outcome to occur.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or better in Algebra 2</b>	<b>Assessment:</b>	

### **Physics**

At the end of this course the student will be able to: display an ability to integrate mathematical skills with science concepts, exhibit an understanding of motion, recognize the influence of forces on motion and energy, display comprehension of energy’s impact on the physical universe and demonstrate an understanding of the concepts of modern physics.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or better in Algebra 2</b>	<b>Assessment:</b>	

### **Career Math**

Career Mathematics is a course that provides students with a bridge to mathematical empowerment needed to make responsible financial and economic decisions while applying mathematical concepts into a career setting. The course is designed for integrating mathematics and career and technical curriculum. Career Math will satisfy the high school graduation requirements for a third math credit, but is not recognized by four year universities.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>Must pass two prior math credits</b>	<b>Assessment:</b>	

# SCIENCE

## BHS GRADUATION REQUIREMENTS – 3 CREDITS

### Physical Science (9th)

This class is an integration of the basic introductory principles of chemistry and physics. The composition and reactions of matter will be studied in the chemistry portion, while the physics section of the course will focus on forces and motion. The curriculum is reinforced by hands-on activities and laboratory experiences which give students the opportunity to learn and apply scientific principles and concepts.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Project Costs (Est. \$20)</b>
<b>Supplies:</b>	<b>Calculator, Notebook</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>		<b>Assessment:</b>	<b>Final</b>

### Biology

We recommend this be the 2<sup>nd</sup> class taken in the Science progression of classes. Biology, by definition, is the study of life. In this course, you will come to understand the nature of life, as we know it today. You will also gain an appreciation of the scientific process that has resulted in the body of knowledge we know as Biology. While it is not possible to cover the field of Biology in a one-year course, we will gear our studies toward the science of cell structure and function, photosynthesis/cellular respiration, genetics, evolution, and classification.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Year - Every Other Day</b>
<b>Prerequisite:</b>	<b>Instructor Approval for Freshmen (EOC)</b>	<b>Assessment:</b>	<b>End of Course Exam</b>

### Earth Science

This class is the study of earth's land, water and air. Earth science can be divided into many fields. We will be studying mainly geology and meteorology, and how those processes and the activities of humans shape and alter the earth and its resources.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Year - Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### Forensic Science

Forensic Science encompasses a large variety of topics including fingerprinting, DNA profiling, blood spatter, analysis, forgery and ballistics and applies the scientific principles of Biology, Chemistry, and Physical Science to evidence found at a crime scene to aid in the determination of guilt or innocence in criminal investigations.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Project Costs</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or above in Sem. 1 of Biology or Instructor Approval for Freshmen &amp; Sophomores</b>	<b>Assessment:</b>	<b>Final</b>

### Astronomy

Astronomy will begin with a study of what is visible in the night sky including constellations, the moon and the sun. It will then embark on a cosmic journey through the planets of our solar system to gain an appreciation of our galaxy and the universe beyond.

**Credits:** .5

**Path:** All

**Supplies:** Notebook, Writing Utensils

**Prerequisite:** None

**Grade:** 9th, 10th, 11th 12th

**Class Fee:** Project Costs

**Course Meets:** Sem-Every Other Day

**Assessment:** Final

### Exploratory Science

Exploratory Science is a chance for students to learn how to generate questions, research, and develop solutions to the physical world around them.

**Credits:** .5

**Path:** All

**Supplies:** Notebook, Writing Utensils

**Prerequisite:** None

**Grade:** 9th, 10th, 11th 12th

**Class Fee:** Project Costs

**Course Meets:** Sem-Every Other Day

**Assessment:** Final

### Chemistry 1

Chemistry 1 is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Laboratory experiences and hands-on activities provide opportunities for students to manipulate compounds, observe change, and collect and analyze data to develop science process skills and content knowledge.

**Credits:** 1.0

**Path:** All

**Supplies:** Calculator

**Prerequisite:** "C" or Higher Physical Science

**Instructor Approval for Sophomores**

**Grade:** 11<sup>th</sup>, 12<sup>th</sup>

**Class Fee:** None

**Course Meets:** Year – Every Other Day

**Assessment:** Final

### College Biology (Dual Credit option)

This course is a foundation course for the life sciences. Classroom lecture and laboratory activities cover the general principles of life: chemical composition, cellular structure and activities, genetics, evolution and classification, and ecology. Students will combine the history of scientific development with current practices and knowledge in each of these areas. **Reminder:** *A dual credit application must be completed and tuition must be paid to receive college credit hours through CMU.*

**Credits:** 1.0

**Path:** All

**Supplies:** Notebook, Writing Utensils

**Prerequisite:** "C" or Better in Biology

**Weighted:** All students receive weighted grade, regardless of dual credit option.

**Grade:** 11<sup>th</sup>, 12<sup>th</sup>

**Class Fee:** Dual Credit Costs If Applicable

**Course Meets:** Semester - Every Day

**Assessment:** College Final

### **College Environmental Science (Dual Credit option)**

This study of Biology with a focus on Environmental Science will cover topics including the inter-relations of humans with our environment; environmental ethics; risk assessment; public policy solutions; and soil, air, water, and energy conservation. The laboratory portion of the course focuses on the methodology of Environmental Science. ***Reminder: A dual credit application must be completed and tuition must be paid to receive college credit hours through CMU.***

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Costs If Applicable</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem- Every Day</b>
<b>Prerequisite:</b>	<b>“C” or Better in Biology</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option.</b>		

### **College Biodiversity(Dual Credit option)**

This course is an introduction to the science of Biology, within the topic of biological diversity. It includes the study of the classification and evolution of all major groups of living organisms. Students will become familiar with the major groups of viruses, bacteria, protists, fungi, plants, and animals. The course includes a lab focusing on the observation and classification of living organisms. ***Reminder: A dual credit application must be completed and tuition must be paid to receive college credit hours through CMU.***

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Costs If Applicable</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem - Every Day</b>
<b>Prerequisite:</b>	<b>“C” or Better in Biology</b>	<b>Assessment:</b>	<b>College Final</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option.</b>		

# SOCIAL SCIENCES

## BHS GRADUATION REQUIREMENTS – 3 CREDITS

### American History (9<sup>th</sup>)

This class will explore people, places, and events of our nation's history from 1865 to the present. Students will learn about these things through class discussion as well as group and individual assessments. Earning a 70% or higher on the Missouri Constitution test, a requirement of the Brookfield R-III school district for graduation, will also be a requirement for completion of this class.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>End of Course Exam Missouri Constitution Test – 70%</b>

### World History (10<sup>th</sup>)

This course introduces students to the ideas and political and cultural achievements which have helped to shape our modern world. Connections are drawn between past history and current events. Students are encouraged to view human activities and beliefs from a cross-cultural perspective, with a view toward producing a well-informed voting citizenry of the future.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### American Government (11<sup>th</sup>)

This class will help students better understand our federal government; as well as, how to be responsible and productive citizens in a democratic society. This course explains the relationship of the states and how the central government works under the “Federal System” as described in the United States Constitution. Students learn about citizenship, their rights, and the responsibilities of being an American citizen. Students are encouraged to participate in class discussions and projects dealing with school, local, state, and federal laws. ***In order to graduate from BHS students MUST PASS the US Constitution test with a minimum score of 80% or higher.***

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>End of Course Exam U. S. Constitution Test – 80% or Higher</b>



### **Economics**

The purpose of this course is to present a program that will enable the student to better understand national, international, and personal money problems. First the student is exposed to basic economic theory. Secondly, the student is confronted with practical problem situations. These situations compel the student to be a decision-maker. The focus is on discussion and questioning by the student in the classroom.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **U.S. Geography**

This course is designed to strengthen geographic skills and provide an extensive review of U.S. geography. Geographic content will be reviewed and analyzed by region and by state with a special emphasis on Missouri's geography and its impact on Missouri history. Assessments will include map tests, chapter and unit tests along with classroom activities and reports.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>3 Ring Notebook, Folder Notebook</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **World Geography**

Students master basic geography skills and principles in this course, which covers the seven continents and many of their major locations, world economic activity, and understanding and using maps. Students acquire an understanding of multiculturalism and the relationships between people and their environment.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>3 Ring Notebook, Folder Notebook</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Current Issues**

This class will explore current world and national events, fine arts, and political pressures as they shape the world as we know it. In-class activities, discussions, reports, and other assessments will be a key part of this course.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Minority Studies**

This semester class will explore the many contributions minority groups have made to American history from colonial times to the present. As many different minorities as possible will be discussed including but not limited to African Americans, women, Asian Americans, and Hispanic Americans. The evaluation of important minority issues such as affirmative action and equal rights will be traced as well as issues of importance to minorities today. Students will be exposed to minorities who have contributed to American history in all walks of life, including politics, entertainment, and sports.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Cold War**

This course charts the origins of the Cold War, examines how the Cold War played out throughout the world, tracks how the US was transformed into a global superpower, assesses the impact of nuclear forces on conflict, and charts the how both the Soviet Union and the United States managed the Cold War. It concludes by explaining both how the Cold War ended and what legacies it left for the twenty-first century. Students will read from primary sources, complete presentations, take tests, and respond to videos about this time in history.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10, 11, 12 (9<sup>th</sup> by permission)</b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>none</b>
<b>Supplies:</b>	<b>Folder, writing utensils. Chromebook</b>	<b>Course meets:</b>	<b>Sem--Every Other Day</b>
<b>Prerequisite:</b>	<b>American History (preferred)</b>	<b>Assessment:</b>	<b>Final</b>

### **International Relations**

This course will reinforce students' understanding of how the United States and other nations interact with each other. This class examines, during the post cold war period, people, practices and policies used by nations to make foreign policy. Examples of major areas of study include, but are not limited to: terrorism, economic development, the role of international organizations and changing governments. In addition to lecture and class discussion, the format of this course will include: reading from various sources, extensive use of both past/current media sources and student reports. Also included are tests, quizzes and classroom projects.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Sem– Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **American History in Song**

American History in Song explores the history of the United States through song lyrics. We listen to and read the lyrics from songs from every era from the Revolution to the present day. In doing so, we analyze the difficulties, discussions and even disasters of the many eras of our country. In American History in Song, students analyze song lyrics as primary documents to give us a look at the issues that predominated each era of our history.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Sem– Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **American History thru Film**

Students will view films and participate in related research and study that will allow them to analyze and evaluate the historical accuracy, and in some cases the inaccuracy, portrayed in film. Participating in this course will afford students a unique opportunity to use critical thinking skills to enrich their study of history. Examples of the types of films that may be covered include The Red Baron, Schindler’s List, Across the Universe, Saving Private Ryan, Mississippi Burning.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Sem– Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Controversy and the Court**

Going well beyond the nuts and bolts of how the Supreme Court works, Controversy and the Court will cover the most controversial and most opinions handed down in Supreme Court history. Students will put themselves in the position of justices, considering the legal issues that have come before the Court as if they were hearing the case themselves. Students will analyze and evaluate cases, seeking to understand not only what the Court has decided, but why. The Court doesn't hear cases unless they are difficult, and this course will give students a greater understanding of just what makes these cases so difficult, but more importantly what makes them matter to us. Prerequisite - American History

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook/Folder/Pens-Pencils</b>	<b>Course Meets:</b>	<b>Sem– Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **AP Psychology**

This is an introductory course in Psychology, with emphasis on understanding, explaining, describing, and predicting behavior and mental processes. Sufficient time will be spent on exploring scientific research, psychological theories, cognitive processes, psychological development, personality, health psychology, and abnormal psychology. Students are required to meet the guidelines set forth to enroll in this class. Good reading skills, note taking plus good study habits are crucial. Students will share and express ideas and opinions in class.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>AP Exam Cost (If Applicable)</b>
<b>Supplies:</b>	<b>Notebook</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>Grade Level Reading Skills</b>	<b>Assessment:</b>	<b>AP Exam</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option.</b>		

### **College US History I (Dual Credit option)**

This class is a dual enrollment class with North Central Missouri College. This course is a survey of American History from the discovery of the New World to the Civil War. This course will focus on the following: expectations, constraints, choices, and outcomes through American History. Each student identifies and explains events in American History. The course is divided into two sections. Students are strongly urged to take this course before taking the second half of the course - Reconstruction to present day. Students must meet the requirements set forth to enroll in this course. Students must meet PLAN/ACT test score criteria for college credit. Good reading skills, note taking plus good study habits are crucial. Students will share/express ideas and opinions in class.

**Dual Credit Prerequisite:** Appropriate score on ACT or NCMC Test Equivalent in order to take for dual credit.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost (If Applicable)</b>
<b>Supplies:</b>	<b>Notebook</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>Grade Level Reading Skills ACT – Asset Score 18</b>	<b>Assessment:</b>	<b>College Final Exam</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

### **College US History II (Dual Credit option)**

This course is a survey of the United States covering Reconstruction to present day. Students are strongly encouraged to take College History I to fully appreciate the second part of the course. This class requires a great deal of reading, along with journal entries, map assignments, projects and activities. Students must meet the guidelines set forth to enroll in this course. Students must meet PLAN/ACT test score criteria for college credit. Good reading skills, note taking plus good study habits are crucial. Students will share/express ideas and opinions in class.

**Dual Credit Prerequisite:** Appropriate score on ACT or NCMC Test Equivalent in order to take for dual credit.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Dual Credit Cost (If Applicable)</b>
<b>Supplies:</b>	<b>Notebook</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>College US History 1 ACT – Asset Score 18 &amp; Grade Level Reading Skills</b>	<b>Assessment:</b>	<b>College Final Exam</b>
<b>Weighted:</b>	<b>All students receive weighted grade, regardless of dual credit option</b>		

# FINE ARTS

## **Art 2D Foundations**

Art 2D Foundations (in addition to Art 3D described below) is a prerequisite for all Art classes with the exception of Art Appreciation and Art 3D Foundations. Students in Art 2D Foundations will explore 2-dimensional materials and processes related to drawing, painting, collage and printmaking. This class is a semester class/course.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>None</b>	<b>Course Meets:</b>	<b>Seme – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Semester End Portfolio</b>

## **Art 3D Foundations**

Art 3D Foundations (in addition to Art 2D described above) is a prerequisite for all Art classes with the exception of Art Appreciation and Art 2D Foundations. Students in Art 3D Foundations will delve into 3 dimensional processes including: mixed media, sculpture, ceramics and more. This class is a semester class/course.

<b>Credits:</b>	<b>0.5</b>	<b>College</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>		<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>None</b>		<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>		<b>Assessment:</b>	<b>Semester End Portfolio</b>

## **2D Rotation (Repeats every other year)**

Year 1: Phonetography - Drawing (2022-2023, 2024-2025)

Year 2: Painting - Printmaking (2023-2024, 2025-2026)

## **Painting (Offered 2023-2024, 2025-2026)**

This class is designed to further students' understanding of 2 Dimensional painting techniques. Techniques include acrylic, watercolor, oil, spray paint, and more. Students will experience various painting practices, underpainting, layering, conceptual and Plein Air painting, and painting from observation. Group instruction and critique, as well as individual projects are included in this course. To ensure that students have their own personal materials for this course, there is a \$20.00 fee for this class. This is to be paid in full within the first two weeks of class.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>\$20</b>
<b>Supplies:</b>	<b>Painting Kits (purchased for students)</b>	<b>Meets:</b>	<b>Fall Semester – Every Other Day</b>
<b>Course Prerequisite:</b>	<b>“B” or Higher in 2D and 3D Art OR Teacher Approval</b>	<b>Assessment:</b>	<b>Semester End Portfolio/Conference Art Show</b>

### **Printmaking (Offered 2023-2024, 2025-2026)**

This class is designed to further students' understanding of 2 Dimensional printmaking techniques. Techniques include linoleum block prints, monoprint, screenprinting, collographs, and more. Students will experience various printing practices, image transfer, layering techniques, engraving, and reduction. Group instruction and critique, as well as individual projects are included in this course. To ensure that students have their own personal materials for this course, there is a \$20.00 fee for this class. This is to be paid in full within the first two weeks of class.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>\$20</b>
<b>Supplies:</b>	<b>Photography Supplies (provided)</b>	<b>Course Meets:</b>	<b>Spring Semester – Every Other Day</b>
<b>Prerequisite:</b>	<b>“B” or Higher in Art 1 OR Teacher Approval Art Show</b>	<b>Assessment:</b>	<b>Semester End Portfolio/Conference</b>

### **3D Rotation (Repeats every other year)**

Year 1: Ceramics - Fibers (2022-2023, 2024-2025)

Year 2: Sculpture - Crafts (2023-2024, 2025-2026)

### **Sculpture (Offered 2023-2024, 2025-2026) Year 2**

This class is designed to further students' understanding of 3 Dimensional sculpture techniques. Processes include soap and wood carving, plaster, wire, and more. Students will experience various sculpture practices, small/large scale, additive, subtractive, and modeling. Group instruction and critique, as well as individual projects are included in this course. To ensure that students have the necessary materials for this course, there is a \$20.00 fee for this class. This is to be paid in full within the first two weeks of class.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>\$20 – Materials/Clay @</b>
<b>Fall Registration</b>		<b>Course Meets:</b>	<b>Fall – Every Other Day</b>
<b>Supplies:</b>	<b>Sculpture Supplies</b>	<b>Assessment:</b>	<b>Semester End Portfolio /</b>
<b>Prerequisite:</b>	<b>“B” or Higher in Art I OR Teacher Approval Conference Art Show</b>		

### **Crafts (Offered 2023-2024, 2025-2026) Year 2**

This class is designed to further students' understanding of 3 Dimensional craft techniques. Defined as making decorative and practical works by hand. Processes include mosaics, macrame, basket weaving, and more. Group instruction and critique, as well as individual projects are included in this course. To ensure that students have the necessary materials for this course, there is a \$20.00 fee for this class. This is to be paid in full within the first two weeks of class.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>\$20 – Materials/Clay @</b>
<b>Fall Registration</b>		<b>Course Meets:</b>	<b>Spring – Every Other Day</b>
<b>Supplies:</b>	<b>Sculpture Supplies</b>	<b>Assessment:</b>	<b>Semester End Portfolio /</b>
<b>Prerequisite:</b>	<b>“B” or Higher in Art I OR Teacher Approval Conference Art Show</b>		

## **Art Appreciation Rotation (Repeats every other year)**

Year 1: Art in America - Art and Technology (2022-2023, 2024-2025)

Year 2: Modern and Contemporary Art - Alternative and Outsider Art (2023-2024, 2025-2026)

### **Modern and Contemporary Art (Offered 2023-2024, 2025-2026) Year 2**

This class is designed to give students' an understanding of movements in art from the 19th through 21st centuries. Students will learn about major movements in art like Impressionism, Romanticism, Art Nouveau, Pop Art, and more. This is primarily a lecture/discussion based course that incorporates quizzes, research projects, and some hands-on activities.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Chromebook, Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Fall Semester – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Semester Final</b>

### **Alternative and Outsider Art (Offered 2023-2024, 2025-2026) Year 2**

This class is designed to give students' an understanding of alternative methods used in artmaking and art coming from outside the mainstream of the Avante Garde. Students will learn about art made by self taught/naive artists using whatever materials were available. This course is meant to rival the thought of what art is and what art can be. This is primarily a lecture/discussion based course that incorporates quizzes, research projects, and some hands-on activities.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Chromebook, Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Spring Semester – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Semester Final</b>

## **Music Appreciation**

Music Appreciation is designed to help students to become more aware of the vast varieties of music that have evolved throughout the history of humankind, so that they may have the opportunity to develop a respect for diversity in music. A concerted effort is made to give students the opportunity to appreciate, understand, create, and analyze the music of their world, which is considered necessary for a good general education.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Daily Participation</b>

## **Beginning Guitar**

This is an elective course for beginning guitarists with little or no experience on the instrument. Students will learn basic chords, strum patterns, finger picking, and a variety of other playing techniques. The course also includes music fundamentals such as beat, rhythm, melody, improvising, reading chord charts, and beginning tablature. This class will focus on music from Elvis through today's songs in a variety of genres. *Class size is limited to 15. Guitars will be provided but donations are greatly appreciated.*

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>None</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Daily Participation &amp; Performance</b>

## **Beginning Guitar II**

This is an elective course for beginning guitarists who have already completed Beginning Guitar I. Students will learn basic chords, strum patterns, finger picking, and a variety of other playing techniques. The course also includes music fundamentals such as beat, rhythm, melody, improvising, reading chord charts, and beginning tablature. This class will focus on music from Elvis through today's songs in a variety of genres. ***Class size is limited to 15. Guitars will be provided but donations are greatly appreciated.***

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>None</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>Beginning Guitar I</b>	<b>Assessment:</b>	<b>Daily Participation &amp;</b>
<b>Performance</b>			

## **Chamber Choir**

The primary goal of this course is to provide an opportunity for student public performance. All types of choral literature will be studied and performed. The group will consist of both male and female ensembles that will perform separately, as well as a mixed choir. Students will have the opportunity to experience a variety of aspects of performance by means of concerts, contests, auditioned area/district choirs, and performances for groups and organizations in the community. Selection for this choir is by audition and/or consent of the director. ***Concert Performances and District Competition Performances – Mandatory Attendance Is Required!***

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>\$35.00*</b>
<b>Supplies:</b>	<b>None</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>Audition &amp; Teacher Approval</b>	<b>Assessment:</b>	<b>Performances / Daily</b>
<b>Participation</b>			

***\*Participation Fee Paid ONCE during high school. Covers cost of alterations and cleaning of outfits.***

## **Vocal Music**

The primary goal of this course is to provide an opportunity for high school students to perform choral literature written specifically for high school voices. All styles of choral literature will be studied and performed. Students will have the opportunity to experience a variety of aspects of performance by means of concerts, contests, auditioned area/district choirs, and performances for groups and organizations in the community. ***Concert Performances and District Performances - Mandatory***

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>\$35.00*</b>
<b>Supplies:</b>	<b>None</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>Teacher Approval</b>	<b>Assessment:</b>	<b>Performances / Daily</b>
<b>Participation</b>			

***\*Participation Fee Paid ONCE during high school. Covers cost of alterations and cleaning of outfits.***

## **Marching Band (Fall Semester)**

This course provides students an opportunity to gain an understanding and appreciation for all types of music through participation in an instrumental ensemble. Such participation will strive to improve health, character, citizenship, and self-discipline. ***Attendance and participation is mandatory at all home varsity football games, parades, several out-of-town competitions, and various local activities. Students are advised to look at the total schedule carefully.*** All band students are eligible to participate in marching band.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>None</b>	<b>Course Meets:</b>	<b>Fall Sem – Every Day</b>
<b>Prerequisite:</b>	<b>Audition</b>	<b>Assessment:</b>	<b>Performances</b>



### **Concert Band (Spring Semester)**

This course provides students an opportunity to gain an understanding and appreciation for all types of music through participation in an instrumental ensemble. Such participation will strive to improve health, character, citizenship, and self-discipline. Units of study will include the following: 1) Concert band, 2) small ensembles and; 3) solo work. ***Performance at two evening concerts, various music festivals and graduation is Mandatory.*** Students in the concert band are also eligible to audition for the Northeast All-District and State Band as well as Clarence Cannon Conference Band. All students are eligible to participate in concert band.

**Credits:** 1.0  
**Path:** Creative  
**Supplies:** None  
**Prerequisite:** None

**Grade:** 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>  
**Class Fee:** None  
**Course Meets:** Spring Sem– Every Day  
**Assessment:** Performances

# HEALTH AND PHYSICAL EDUCATION

## Health

This course is designed to introduce students to all aspects of living a healthy life by way of healthy lifestyle choices. This course will also consist of a study of personal hygiene, social growth, and safety. First Aid and CPR training will also be provided.

Credits:	0.5	Grade:	9 <sup>th</sup>
Path:	All	Class Fee:	None
Supplies:	Notebook, Writing Utensils	Course Meets:	Sem – Every Other Day
Prerequisite:	None	Assessment:	Final

## Physical Education /Cardio/Team Sport/ and Advanced Fitness Dress Out Rule!

*Students are expected to dress out and participate every single day they are at school. This is a 100% participation class. It is how you get your points. It is how you improve your level of fitness. It is how you pass the class! It isn't complicated. Bring your clothes, put them on, and participate!*

*Students are given one no dress each quarter. That no dress will lower your quarter grade "one letter grade", if you do not make it up. If, for some reason you take a second (2<sup>nd</sup>) no dress the same quarter, you will fail the quarter. You should still continue to dress out and do your best to keep your quarter grade as high as it can go, which will be a 59% for the quarter. That will at least allow you to salvage a semester passing grade. Students who fail both quarters due to two (2) NO DRESSES will be assigned ISS for the rest of the semester for that class period and write fitness reports.*

*If extenuating medical issues arise, you will be asked to provide doctors notes to the administration and each case will be looked at individually. We all have days that we don't feel well. You are going to have a life learning how to make the best of things, get dressed, and do the best you can. Everything we know about the human body tells us, you will feel better simply by being physically active.*

## Cardio

Cardio is a physical education class that emphasizes cardiovascular health and physical fitness. Students will study body systems and personal wellness along with participating in an individualized physical wellness plan. This class walks/jogs over to the YMCA for class, and are expected to dress for walking outside to travel to the YMCA in cold, rain, and/or snow. (Umbrellas, Jackets, Boots, etc...) Cardio Class is a tough, physically demanding class. Students are expected to complete the following: Walk/Run – 3 Miles; Rowing Machine – 5,000 Meters; Bike – 10 Miles. If you have the commitment and dedication to give it your best, this class is for you. Space is very limited and only the hardest workers accepted. **See dress out policy above!**

Credits:	0.5	Grade:	9 <sup>th</sup> &10 <sup>th</sup> (coach approval only), 11 <sup>th</sup> , 12 <sup>th</sup>
Path:	All	Class Fee:	None
Supplies:	Shorts, T-Shirt, Tennis Shoes	Course Meets:	Sem – Every Other Day
Prerequisite:	"B" or Better Physical Education	Assessment:	Final

## Team Sports

This course will be taught from a list of varied activities. Areas possible for participation are flag football and gym hockey, recreational games, weight training, volleyball, archery, softball, bowling, tennis, basketball, tumbling, archery, apparatus, field hockey, dance, and others selected by the class. The history, rules, and techniques of these sports will be taught, and skill tests will be given in class. **See dress out policy above!**

Credits:	0.5	Grade:	9 <sup>th</sup> , 10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup>
Path:	All	Class Fee:	\$7.00 (Bowling Fee)
Supplies:	Shorts, T-Shirt, Tennis Shoes	Course Meets:	Sem – Every Other Day
Prerequisite:	"C" or Better Physical Education	Assessment:	Final

### **Advanced Fitness**

This course will provide an advanced physical fitness curriculum dealing in body awareness and conditioning. Units of study will include: Power Weight Training, Cardiovascular Endurance, Anatomy, Physiology, and Fitness Testing. This course is meant for the student who is serious about improving body strength and condition. BHS will offer a Female Advanced Fitness class if numbers (15+) are enrolled. **See dress out policy above!**

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9th (w/ coach approval), 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Shorts, T-Shirts, Tennis Shoes</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>“B” or Higher Physical Education</b>	<b>Assessment:</b>	<b>Final</b>

# FOREIGN LANGUAGE

## Spanish 1

Spanish I is an elective course for students that have not studied Spanish before. The course will present basic structure and grammar and encourage conversation and composition based on basic vocabulary. Students will speak, write and read in Spanish and learn to recognize and use Spanish expressions. Cultural activities will introduce the student to Spanish speaking countries. Students enrolling in Spanish should have mastery of English Language and Grammar.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Note Cards, 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>“B” or better in Language Arts</b>	<b>Assessment:</b>	<b>Final</b>

## Spanish 2

This is an elective course for students who have completed Spanish I. It is a continuation of Spanish I and offers a great opportunity to carry on conversation and to write in class. It reviews the structure, grammar, and vocabulary taught in Spanish I and continues to develop and expand language through listening, reading, writing, and speaking. The cultural activities provide a more in-depth study of the Spanish speaking countries.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Spanish 1 Binder, Writing Utensils</b>	<b>Course Meets:</b>	<b>Year – Every Other Day</b>
<b>Prerequisite:</b>	<b>“C” or better in Spanish 1</b>	<b>Assessment:</b>	<b>Final</b>

# Elective Options

## Independent Study College Enrichment

This course provides an opportunity for qualifying seniors to take an online college course of their choosing through North Central Missouri College (Trenton, MO). Students may only take courses that Brookfield R-III does not offer as in-seat dual enrollment. Students are responsible for all course fees and expenses, enrollment process, and learning activities. **These courses are listed as electives, and are not weighted.**

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>Set by NCMC</b>
<b>Supplies:</b>		<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>Must meet credit requirements</b>	<b>Assessment:</b>	<b>Final</b>

## Child Development

An instructional course focusing on child growth and development from conception through early childhood. Emphasis is on principles underlying physical, mental, emotional and social development, and on methods of child study and practical implications. Opportunities for service and project-based learning may be incorporated throughout the course. Upon completion, students will be able to use knowledge of how young children differ in their development and approaches to learning to provide opportunities that support physical, social, emotional, language, cognitive, and aesthetic development.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Creative</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem – Every Other Day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Daily Participation</b>

## JAG (Jobs for American Graduates)

\*This class is by invitation only.

Project Based Learning (PBL) is a proven approach to prepare students for academic, personal and career success, where other strategies and traditional curriculum has failed. Research identifies the principles of PBL as a foundation to implement more learner-centered, inquiry-based, and active learning methods. JAG follows the Buck Institute for Education PBL model, a nationally recognized practice. JAG shifted to a PBL instructional strategy in 2015 as a vehicle to deliver JAG's employability skills competencies, specific industry and employer content and engagement, and community problems and solutions. Elevating our education practice to this gold level standard ensures learners gain the benefit of real-world relevance that is critical to today's workforce needs.

JAG is a resiliency model. It demonstrates how to build relationships, gives learners voice and choice (even more so through PBL), teaches life skills, and helps learners overcome adversity.

Employer engagement has been a cornerstone activity of the JAG program since inception. In leveraging employer engagement as an instructional strategy, JAG elevates the practice by developing meaningful connections between our students and professionals, ideas and skills, and the classroom and real-life situations. Employers invest their resources, talent and knowledge to customize individual learning experiences for JAG students. Work-based activities and learning advances effective employer partnerships to provide students with the inspiration, motivation, knowledge and skills needed to be successful in post-secondary education and career pathways. This strategy deepens career exploration and first-hand experience in working environments to

optimize advancement for learners. PBL provides a natural vehicle to implement workforce development practices in the classroom, preparing students for employer experiences.

The JAG Model blends these approaches and when delivered effectively, Specialists will deliver JAG competencies, engage the Student Center Association, and work with employers in strategies that are healthy and supportive to JAG students.

## Linn County Area Career and Technical Center

Brookfield School District is fortunate to serve as the host site for the Linn County Area Career and Technical Center. Selecting a career is a process of choices and not a single decision. Whether you're college-bound or just bound and determined to get a good job—the Linn County Area Career Center is for you.

LCACTC is dedicated to serving Linn County and the surrounding area. The Career and Technical Center, in conjunction with your high school, offers courses that build on academic knowledge in a meaningful, real-life way. Here students experience the intersection of the academic world and the world of work.

The mission of the LCACTC is partnering and educating all generations of our community for tomorrow's challenges. We do this by providing each individual the knowledge and skills needed to do so. We hope your students will take the opportunity to explore a career in one of our program areas:

- \*Agriculture
- \*Auto Mechanics
- \*Building Trades
- \*Business (Accounting/Finance/Computers)
- \*Computer Servicing Technology
- \*Early Childhood Professional
- \*Graphic Arts
- \*Health Sciences
- \*Industrial Welding

Students are able to seek recognized, industry-standard certifications in Building Trades, Computer Servicing Technology, Early Childhood Professional, Health Sciences, and Industrial Welding.

In addition, the LCACTC presents the Passport to the Future Award. Eligible graduating seniors must be completing an intensive course of study in a career center program. Criteria are a 3.5 unweighted GPA on a 4.0 scale in the area of study, 95% attendance and tardy record, pass competencies with a 95%, and good citizenship. A student must be recommended by their instructor and approved by a committee. Recipients are given a personalized Passport to the Future portfolio which includes a copy of the student's resume, letters of recommendation from school administrators, competency lists, and copies of credentials and certificates.

We are also proud to recognize those students who have qualified for the Career and Technical Education Certificate. This certificate has eight intensive requirements based on both high school and career center performance. Please see our career center counselor for more information.

Finally, the LCACTC awards three scholarships each year to graduating seniors. To be eligible, a student must be completing a career center program and continuing their education in the field of study relating to the program being completed. Scholarship amounts are 1 -\$1000 and 2 - \$500. Please check with the Career and Tech Center office for specific details.

For more information on the Linn County Area Career and Technical Center, please contact:

Director – Mrs. Carey Smith

Counselor – Mrs. Tonia Montgomery

(660) 258-2682

<https://sites.google.com/a/brookfield.k12.mo.us/lcactc>



# ACCOUNTING/FINANCE

These courses are designed for any student. Whether you are a college bound student; considering a career in banking, sales, investing, marketing or law; or just want to be able to manage your own finances, these courses are for you! **Organizational affiliation: Future Business Leaders of America (FBLA)**

## Accounting I

Accounting is the way people keep track of the money coming in and money going out. When we know what is happening to our money, it is easier to make decisions using that money. This class is exactly that! In addition to keeping track of our money, we'll learn to balance our bank account and other useful things. You do not have to be good at math to be successful in this class. If you can add, subtract, multiply and divide you'll be fine!

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Advanced Accounting

This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules and using inventory and budgetary control systems. Computer applications will be integrated in each appropriate unit of study.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Personal Finance

This course uses personal money management expert Dave Ramsey's curriculum titled Financial Peace. Topics covered include saving and investment, credit and debit, financial responsibility and money management, insurance/risk management and income and careers. Ramsey debunks the many myths of money and attacks the illusions and deceptions of the American dream, which encourages nothing but overspending and massive amounts of debt.

<b>Credits:</b>	<b>.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Intro to Business

Business Essentials is the foundation of any business venture or degree. You will begin to understand the basic functions of a business and how everything fits and works together. This course is an introduction to all other areas: entrepreneurship, marketing, management, accounting, information systems, leadership, and global issues as well as social responsibility and ethical behavior.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>



### **Employment Skills**

A capitalistic society requires all of us to be able to support ourselves financially. For most people, a job is the only way to accomplish this. The real world requires hard work and certain soft skills which employers find appealing. This course will review these specific soft skills and help you find (and keep) a job so your desired lifestyle can be achieved and maintained. Job searching will be completed. Business documents such as resumes and letters of application will be created. Job interviews will be simulated. Teamwork will be fine-tuned. This course will prepare you for what's coming in the future. Adult life is more difficult than a lot of young people imagine. Allow Employment Skills to make the transition a smoother one.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Entrepreneurship (2025-2026)**

This course is designed to provide students with the fundamental knowledge needed for organizing, developing, and implementing a business within the private free enterprise system. Topics of study will include learning the advantages and disadvantages of owning a business, preparing a business plan, choosing a location, securing a loan, determining organizational structure, and promoting a business.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Banking and Financial Services (2023-2024)**

This finance course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage, and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance, credits, savings, investments, and budgeting - skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss and others.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Business Communication (2023-2024)**

This course provides reinforcement of students' basic language arts skills (composition, grammar, spelling, punctuation, etc.) and development of essential competencies for oral and written communication in today's technological workplaces. Emphasis is placed on using the computer to compose and produce accurate and effective documents (including email messages, letters, memos, reports, etc.) for personal and professional purposes. Using technology (presentation software and telecommunications) to develop oral communication skills such as making presentations, giving instructions, interviewing and making reports in an effective manner is reinforced in this course.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Business Management (2024-2025)**

This course is designed to help students develop an understanding of skills and resources needed to manage a business. Instruction includes a general overview of American business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation and government regulations. The use of computers and software as tools in making business decisions in areas such as accounting, sales analysis and inventory control is also introduced.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

### **Business Technology (2024-2025)**

The course is designed to help students develop the qualities, knowledge and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the performance of office procedures tasks, the production of quality work using advanced features of business software applications and the production of high-quality employment portfolios and job-seeking documents. In addition, this course provides training or skills many employers find deficient such as dealing with other people, using the telephone, organizing work, and handling other crucial tasks.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

# AGRICULTURE

The following courses take you from the farm to the greenhouse to conservation lands or the marketplace. All Ag courses require Supervised Agricultural Experience (SAE) projects such as gardening, livestock, or crops.

**Organizational affiliation: FFA**

## Agriculture Science I

A course designed for instruction in animal science, agricultural mechanics, career exploration, leadership and personal development, and supervised agricultural experience. Units may include nutrition, woodworking, reproduction, and FFA knowledge.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>\$20.00 - Projects</b>
<b>Supplies:</b>	<b>1 ½ - 2" 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Agriculture Science II

A course designed for instruction in plant and crop science, soils, entomology, horticulture, and forestry, and additional instruction in agricultural mechanics, career development, leadership, and supervised agricultural experience.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>\$20.00 - Projects</b>
<b>Supplies:</b>	<b>1 ½ - 2" 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I</b>	<b>Assessment:</b>	<b>Final</b>

## Horticulture

This course develops a basic understanding of the horticulture industry including plant structures, propagation techniques, growth patterns, and identification. This course serves as an entry level class for Greenhouse Operations and Management. Concurrent enrollment with Ag Science II is allowed.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>\$30 - Projects</b>
<b>Supplies:</b>	<b>1 ½ - 2" 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Sem I/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>Final</b>

## Greenhouse Operations

This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>1 ½ - 2" 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Sem II/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I, II &amp; Horticulture</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

## Agricultural Construction

This course utilizes welding and woodworking in the development and construction of major metal and wood projects. Students will learn fundamentals in both facets and apply what they learn as they build personal projects. Concurrent enrollment with Ag Science II is allowed.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>Personal Project Costs</b>
<b>Supplies:</b>	<b>As Needed For Projects &amp; Binder</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>Technical Skill Assessment and Annual Plant Sale</b>

### **Wildlife Biology** (Offered 2022-2023, 2024-2025)

This course prepares students for activities in conservation and/or improvement of natural resources involving restoring and conserving Missouri wildlife. Utilizing indoor/outdoor classrooms, you will have the opportunity to develop and implement plans for plants that provide food and cover for a variety of wildlife and NASP.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>1 ½ - 2” 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>TSA</b>

### **Advanced Animal Science** (Offered 2021 - 2022, 2023-2024)

Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>1 ½ - 2” 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>TSA</b>

### **Agriculture Leadership** (Offered 2022-2023, 2024-2025)

Agriculture Leadership is a diverse field that encompasses many careers and communication settings. Students will gain expertise in writing, editing, public relations, marketing, advertising, and broadcasting. Requirements for this course include compiling a portfolio including a resume, cover letter, job application, scholarship applications, and other written and technologically designed works. Chapter officers are highly encouraged to enroll in this course.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>1 ½ - 2” 3-Ring Binder</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>TSA</b>

### **Agribusiness, Sales, Management and Marketing (Dual Credit Option)** (Offered 2021 - 2022, 2023-2024)

This course explains economic principles, financial management, personal development, how to properly prepare for and make a sale along with utilizing promotional tools and entrepreneurial skills. Students will develop business plans and strategize how to implement them in a timely and cost effective manner.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>Dual credit costs through NCMC, FFA dues</b>
<b>Supplies:</b>	<b>Calculator, Notebook, Writing Utensils</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>“C” or better in Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>TSA &amp; College Final</b>

### **Supervised Occupational Experience (SOE)** (Offered ONLY in Spring Semester)

This course is designed for seniors to gain career work experience related to their supervised agriculture experience project (SAE). Students leave campus for job shadowing or other employment responsibilities.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Agriculture, Food &amp; Natural Resources</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>Ag Science I &amp; II</b>	<b>Assessment:</b>	<b>Personal Portfolio, Record Book &amp; TSA</b>

# AUTOMOTIVE MECHANICS

Designed for students to take their skills to further training at the post secondary level with a technical school or community college. *Organizational affiliation: SkillsUSA*

## Automotive Mechanics I

This year long course will offer students classroom and shop experience. They will study the operation and function of the different automotive systems. They will also service engines; adjusting and repairing clutches, transmissions and differentials, steering systems, brakes and other component parts of the automobile. Modern tooling and testing equipment is available for study, practice and use in practical shop procedures. Studies are made of individual manufacturer's automobile specifications and adjustments.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Transportation, Distribution &amp; Logistics</b>	<b>Class Fee:</b>	<b>\$20.00</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/Every day, 2 blocks</b>
<b>Prerequisite:</b>		<b>Assessment:</b>	<b>Final</b>

## Automotive Mechanics II

With Automotive Mechanics I as a prerequisite, students will advance their knowledge in procedures and practices of automotive mechanics and repair. All training in the classroom will be supplemented by actual work experience with cooling systems, electrical systems, tune-ups, engine lubrication, power trains, suspension systems, steering systems, and brake systems.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Transportation, Distribution &amp; Logistics</b>	<b>Class Fee:</b>	<b>\$20.00</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/Every day, 2 blocks</b>
<b>Prerequisite:</b>	<b>Automotive Mechanics I</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

# BUILDING TRADES

This program can provide students with the skills to continue on to college, apprenticeship program and/or work in the construction field. *Organizational affiliation: SkillsUSA*

## **Building Trades I**

Students will be trained in the use and care of tools and tool identification. Classroom training will be supplemented by actual on-site work experience in the many areas of construction. Students will be instructed in construction safety, pre-construction planning, site layout and preparation, foundation and basement work, rough framing, insulation, roofing and exterior and interior finishes.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Architecture and Construction</b>	<b>Class Fee:</b>	<b>Cost of Supplies</b>
<b>Supplies:</b>	<b>Tool Apron, Hammer, Square, Carpenter's Pencil &amp; Leather Boots</b>	<b>Course Meets:</b>	<b>Yr/Every day, 2 blocks</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## **Building Trades II**

This course continues building on the skills learned in Building Trades I. Students will receive additional reinforcement of safety training, blueprint reading, electrical and plumbing rough-ins, exterior and interior finishing, mechanical trades, energy conservation, and pre-employment preparation.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Architecture and Construction</b>	<b>Class Fee:</b>	<b>Cost of Supplies</b>
<b>Supplies:</b>	<b>Tool Apron, Hammer, Square, Carpenter's Pencil &amp; Leather Boots</b>	<b>Course Meets:</b>	<b>Yr/Every day, 2 blocks</b>
<b>Prerequisite:</b>	<b>Building Trades I</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

# COMPUTER SERVICING TECHNOLOGY

COMPUTER SERVICING TECHNOLOGY provides students with the fundamentals needed to seek CompTIA A+ certification. Students will examine cyber threats, security protocols, and basic networking practices.

**Organizational affiliation: SkillsUSA**

## Intro to Programming

This is a beginner course for those interested in exploring programming. Students will learn Python, a great starter language that provides a good foundation for further education in computer science or entry-level software development.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Info Tech; Mfg; Trans &amp; Logistics</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>		<b>Assessment:</b>	<b>Final</b>

## Computer Science Basics

Computer Science is the study of computers and algorithmic processes, including their principles, their hardware and software designs, their implementation, and their impact on society.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Info Tech; Mfg; Trans &amp; Logistics</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>		<b>Assessment:</b>	<b>Final</b>

## Intro to Computer Repair

This beginning level computer hardware course will introduce students to many widely used computer hardware repair tasks.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Info Tech; Mfg; Trans &amp; Logistics</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>		<b>Assessment:</b>	<b>Final</b>

## Computer Technology I

This junior level course builds on material learned in the Intro to Computer Technology class. This class will teach you about cyber threats, security protocols, and software tools that help keep our cyber world safe. It is a great way to kick start a career in cyber security or computer networking. This class will also prepare you to take the CompTIA Security+ exam.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Information Technology</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks one day, 1 block the next day</b>
<b>Prerequisite:</b>	<b>Introduction to Computer Technology</b>	<b>Assessment:</b>	<b>Final</b>

## Computer Technology II

This senior level course is the capstone of the IT program. Seniors will learn basic networking practices, devices, and protocols. Computer Networking is great for any student wanting to become a computer networking administrator. This course will also prepare you to take the CompTIA Network+ exam.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Information Technology</b>	<b>Class Fee:</b>	
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks one day, block the next day</b>
<b>Prerequisite:</b>	<b>Computer Technology I</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

# COMPUTERS in BUSINESS

Computers will continue to play an important role in your future. These courses will emphasize the application of computers to such activities as information processing, word processing, desktop publishing, decision-making, spreadsheets, and databases. Classes are activity and project based. **Organization affiliation:** *Future Business Leaders of America (FBLA)*

## Computer Applications 1 & 2 (Required Freshman Year)

This computer-use class emphasizes such basic computer skills as: keyboarding skills, word processing, database and spreadsheet skills. The course is designed to prepare both those students planning for college as well as those going to the work force immediately following high school. Knowledge of these programs improves students' marketable skills and makes their services a valuable asset to employers.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup></b>
<b>Path:</b>	<b>All</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Multimedia

Digital & Interactive Multimedia provides students a hands-on experience with current technology in the marketplace and its application in information technology. A wide range of current hardware and software will be explored. Students will use their creativity and skills to create and edit interactive multimedia presentations, digital photography, sound, movies, and will be introduced to game design. The knowledge and skills acquired in this class will enable students to successfully perform and interact in today's technology-driven society.

<b>Credits:</b>	<b>1.0</b>	<b>Grade:</b>	<b>9<sup>th</sup> 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Animate

Students will learn introductory concepts in 2D computer animation, as related to the Adobe Animate software. Students will learn about setting project requirements for digital animation, understand rich animated media concepts, and the animation environment along with the Adobe Animate workspace. Students will learn to create, test, publish, and evaluate rich animated media elements using Adobe animate.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Coding

Coding is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Topics include Web development and Gaming and animations. Students are able to take this class more than once.

<b>Credits:</b>	<b>0.5</b>	<b>Grade:</b>	<b>9<sup>th</sup> 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Business, Management &amp; Technology</b>	<b>Class Fee:</b>	<b>None</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Sem/ Every other day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>



# EARLY CHILDHOOD PROFESSIONAL

The Early Childhood Professional program at the Linn County Area Career and Technical Center prepares students to pursue two or four-year postsecondary education working with children ages birth to ten in occupations such as teachers, child care workers, teacher assistants or private or home day care centers. Major units of study include careers in early childhood; health, safety and nutrition; child development observation; child growth and development; curriculum and instruction; behavior management; working and communicating with families; managing and maintaining early childhood programs; child care laws, regulations and policies; and professional and leadership development. *Organizational affiliation: OFCCLA, SkillsUSA*

## Early Childhood Professional I

Students will compile thematic notebooks, prepare bulletin boards, complete observations, and job shadow 2-3 days per week at the Brookfield Bright Beginnings, Hand In Hand Lab School, and in the community. Class fee will cover CPR certification fee. Dress code required.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Education &amp; Teaching</b>	<b>Class Fee:</b>	<b>\$55.00</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks, every day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Early Childhood Professional II

While working in the Hand in Hand Lab School, students will learn to determine the type of need that exists in the community, obtain financial support for the program, locate and prepare a facility, plan the daily program, hire appropriate staff, and enroll students. Students will also learn management tasks required to operate a program. Two to three days each week will be spent job shadowing and observing in early childhood classrooms and in the community. Dress code required.

<b>Credits:</b>	<b>3.0</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Education &amp; Teaching</b>	<b>Class Fee:</b>	<b>\$20.00 plus CPR fee if not currently</b>
<b>certified</b>		<b>Course Meets:</b>	<b>Yr/ 2 blocks, every day</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>
<b>Prerequisite:</b>	<b>Early Childhood Professional I</b>		

# GRAPHIC ARTS

In Graphic Arts skills will be learned that can lead a student to employment in area industries or on to college with a future in graphic design, digital media, and digital communications. **Organizational affiliation: SkillsUSA, FBLA**

## Graphic Arts I

This is an introductory course designed to prepare students from employment in a career area involving graphic arts skills. Students develop proficiency in the areas of: publication set-up, typography concepts, managing images, demonstrating design concepts, and performing print processes. This course follows industry standards for professional layout and design in the world of publishing using Adobe software. This course strongly focuses on desktop publishing and image manipulation. Students learn the basics of how to create professional looking documents in a creative graphic design atmosphere. Throughout the program, you will develop print projects that will be added to both traditional and digital portfolios.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Information Technology</b>	<b>Class Fee:</b>	<b>\$20</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks, every day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## Graphic Arts II

This is an advanced course designed to prepare students for employment in a career area involving graphic arts skills. Students develop proficiency in the areas of: publication set-up, typography concepts, managing images, demonstrating design concepts, and performing print processes. This course follows industry standards for professional layout and design in the world of publishing using Adobe software. This course strongly focuses on image manipulation and illustrations. Students will have the opportunity to complete professional products for real customers in a creative graphic design atmosphere. Students will have the opportunity to become Adobe Certified Professionals in Visual Design. These products, as well as other print projects, will be added to both traditional and digital portfolios. Students will also participate in internships to see how their skills and knowledge can be applied to a variety of work environments.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Information Technology</b>	<b>Class Fee:</b>	<b>\$20</b>
<b>Supplies:</b>	<b>Per Teacher</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks, every day</b>
<b>Prerequisite:</b>	<b>Graphic Arts I</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

# HEALTH SCIENCES

Health Sciences coursework is valuable exposure for students with an interest in a career in the vast area of medicine. Careers from Certified Nurse Assistant to physical therapy to veterinary medicine, these classes will prepare you for the next phase of your education. **Organizational affiliation: SkillsUSA**

## Health Sciences I

(Taken concurrently with Human Body and Medical Terminology or Pharmacology and Mental Health) Classroom, laboratory and clinical time will expose students to exciting career opportunities in the health care field. Students will study introduction to microbes and disease, overview of body maintenance, interpersonal and health care team relationships, communication and preparation for employment. Certified nurse assistant skills will be presented and the student has the opportunity to complete the requirements for certification. Students will be certified in CPR, First Aid and AED. Students will participate in a hospital/community/nursing home rotation of interest to them. COVID vaccine is currently required.

<b>Credits:</b>	<b>2.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Health Services</b>	<b>Class Fee:</b>	<b>\$57.00</b>
<b>Supplies:</b>	<b>Hospital scrubs, tennis shoes</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks, every other day</b>
<b>Prerequisite:</b>	<b>Introduction to Health Sciences, COVID vaccine</b>	<b>Assessment:</b>	<b>Final</b>

## Health Sciences II

(Taken concurrently with Human Body and Medical Terminology or Pharmacology and Mental Health) This cooperative education program is divided into two parts of sequential instruction. The classroom/laboratory instruction will provide the student with basic skills, knowledge, and attitudes necessary for employment in health service fields. The student may become employed in a healthcare field and have release time from school.

<b>Credits:</b>	<b>2.0</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Health Services</b>	<b>Class Fee:</b>	<b>\$20.00</b>
<b>Supplies:</b>	<b>Hospital scrubs, tennis shoes</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks, every other day</b>
<b>Prerequisite:</b>	<b>Health Sciences I</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

# INDUSTRIAL WELDING

INDUSTRIAL WELDING is a two-year program added to the LCACTC curriculum in 2004. Equipment used will be representative of that used in the industry. The system includes inert gases of argon and carbon dioxide for use with MIG and TIG electric power units. Students will also receive an introduction to the Plasma Cam. Welding skills open up opportunities for jobs and careers from rural to city and from the USA to foreign lands. Year one will give a student basic shop skills. Year two is for the student wanting to develop knowledge and skills to take them into the professional world of welding. Upon successfully completing the two year program, maintaining excellent grades and attendance, students will test for American Welding Society Certification.

***Organizational affiliation: SkillsUSA***

## **Welding Technology I**

This year-long course of classroom and hands-on projects is designed for students to develop basic welding skills. Safety practices will be learned and stressed throughout the course. Students will study the equipment, reading symbols, codes & project plans. Welding skills in Arc, MIG, TIG and Oxyacetylene welding and cutting will be developed.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>11<sup>th</sup>, 12<sup>th</sup></b>
<b>Path:</b>	<b>Manufacturing</b>	<b>Class Fee:</b>	<b>Project Costs</b>
<b>Supplies:</b>	<b>Safety jacket, Work gloves, Cutting goggles, Split welding gloves, TIG welding gloves, Safety glasses &amp; Hand tools</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks every day</b>
<b>Prerequisite:</b>	<b>None</b>	<b>Assessment:</b>	<b>Final</b>

## **Welding Technology II**

Advanced welding techniques in MIG, TIG, Arc and other selected welding areas will be enhanced through further classroom and shop projects the second year. Blueprint reading, project planning/estimation and construction skills will be added to assist the developing welder. AWS certification may be obtained after successful completion of this two year program.

<b>Credits:</b>	<b>4.0</b>	<b>Grade:</b>	<b>12<sup>th</sup></b>
<b>Path:</b>	<b>Manufacturing</b>	<b>Class Fee:</b>	<b>Project Costs</b>
<b>Supplies:</b>	<b>Safety jacket, Work gloves, Cutting goggles, Split welding gloves, TIG welding gloves, Safety glasses &amp; Hand tools</b>	<b>Course Meets:</b>	<b>Yr/ 2 blocks every day</b>
<b>Prerequisite:</b>	<b>Welding Technology I</b>	<b>Assessment:</b>	<b>Technical Skill Assessment</b>

## Matrix of Linn County Area Career and Technical Center Course Offerings

		<b>Courses</b>	<b>Credit</b>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>
<b>A G S C I E N C E</b>		<b>Agriculture Science I</b>	<b>1.0</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
		<b>Agriculture Science II*</b>	<b>1.0</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Horticulture*</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Greenhouse Operations*</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Agricultural Construction*</b>	<b>1.0</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Wildlife Biology*</b>	<b>0.5</b>			<b>X</b>	<b>X</b>
		<b>Advanced Animal Science*</b>	<b>0.5</b>			<b>X</b>	<b>X</b>
		<b>Agriculture Communication</b>	<b>0.5</b>			<b>X</b>	<b>X</b>
		<b>Agribusiness &amp; Management DC*</b>	<b>0.5</b>			<b>X</b>	<b>X</b>
<b>B U S I N E S S</b>		<b>Accounting I</b>	<b>1.0</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Advanced Accounting</b>	<b>1.0</b>			<b>X</b>	<b>X</b>
		<b>Personal Finance (Required)</b>	<b>0.5</b>			<b>X</b>	<b>X</b>
		<b>Intro to Business</b>	<b>0.5</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
		<b>Entrepreneurship</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Banking and Financial Services</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Business Communications</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Business Management</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Business Technology</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Multimedia</b>	<b>1.0</b>		<b>X</b>	<b>X</b>	<b>X</b>
		<b>Animate</b>	<b>0.5</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
		<b>Employment Skills</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
	<b>Computer Applications I, II</b>	<b>1.0</b>	<b>X</b>	<b>X</b>			
<b>G. A.</b>		<b>Graphic Arts I</b>	<b>4.0</b>			<b>X</b>	<b>X</b>
		<b>Graphic Arts II*</b>	<b>4.0</b>				<b>X</b>
<b>H E A L T H</b>		<b>Health Sciences I*</b>	<b>2.0</b>			<b>X</b>	<b>X</b>
		<b>Health Sciences II*</b>	<b>2.0</b>				<b>X</b>

**Matrix of Linn County Area Career and Technical Center Course Offerings (Continued)**

<b>C O M P S E R V</b>	<b>Intro to Computer Programming</b>	<b>1.0</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
	<b>Computer Science Basics</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
	<b>Intro to Computer Repair</b>	<b>0.5</b>		<b>X</b>	<b>X</b>	<b>X</b>
	<b>Computer Technology I</b>	<b>3.0</b>			<b>X</b>	<b>X</b>
	<b>Computer Technology II</b>	<b>3.0</b>				<b>X</b>
<b>E C P</b>	<b>Early Childhood Professional I</b>	<b>3.0</b>			<b>X</b>	<b>X</b>
	<b>Early Childhood Professional II*</b>	<b>3.0</b>				<b>X</b>
<b>I N D  T E C H</b>	<b>Auto Mechanics I</b>	<b>4.0</b>			<b>X</b>	<b>X</b>
	<b>Auto Mechanics II*</b>	<b>4.0</b>				<b>X</b>
	<b>Building Trades I</b>	<b>4.0</b>			<b>X</b>	<b>X</b>
	<b>Building Trades II*</b>	<b>4.0</b>				<b>X</b>
	<b>Welding I</b>	<b>4.0</b>			<b>X</b>	<b>X</b>
	<b>Welding II*</b>	<b>4.0</b>				<b>X</b>

**\* = Course has a prerequisite**

## **A+ (A Plus) Program**

The primary goal of the Brookfield A+ Schools Program is to ensure that all students who graduate from Missouri high schools are well prepared to pursue advanced education and employment. Students who graduate from a designated A+ high school may qualify for a state-paid financial incentive to attend any public community college or career & technical school in Missouri if the students successfully meet the following requirements:

- **Enter into a written agreement with Brookfield High School (your freshman year).**
- **Graduate with an overall *unweighted* GPA of 2.5 points or higher on a 4-point scale**
- **Have an overall attendance rate of at least 95 percent for grades 9-12**
- **Perform 50 hours of district-supervised and/or district-approved unpaid tutoring and/or mentoring**
- **Maintain a record of good citizenship and avoid the use of drugs (including vaping) and alcohol.**
- **Make a documented, good faith effort to first secure all available federal financial aid through the Free Application for Federal Student Aid (FAFSA)**
- **Register for Selective Services, if applicable**
- **Achieve one of three demonstrations of Algebra I knowledge: A score of Proficient or Advanced on the Algebra 1 EOC exam ; ACT Math Subscore of 17 or ; a specific ACT Math Subscore combined with a specific GPA**

### **A+ (A Plus) Mentoring Program**

Seniors and juniors are eligible to enroll in the A+ Tutoring/Mentoring course, which is restricted to a total of two semesters during the eight semesters of the junior and senior year. A+ students are then assigned by counselors and/or administrators to classrooms where they will be working directly with students in need. The Tutoring/Mentoring Program is designed to assist students in obtaining their tutorial hours *during* regular school hours.

#### ***HOW DO YOU BECOME AN A+ (A Plus) STUDENT?***

- It is easy to become a part of the A+ Schools Program. Simply read the eligibility guidelines and complete the Brookfield High School A+ Schools Program Agreement your freshman year. This allows students to complete the tutoring portion of the A+ requirements throughout high school and understand the benefits of A+ Program eligibility. It also allows the coordinator to monitor the students' GPA, attendance and citizenship (including no drug/alcohol use).
- It is also recommended that students enroll in the A+ Schools Program even if they plan to attend a four-year college or enter the workforce rather than attend college. The A+ Program is an opportunity to access additional education after high school; it does not obligate them to use the A+ tuition reimbursement. A+ benefits are available to A+ graduates up to four (4) years from their high school graduation date or for six semesters.

#### ***WHAT ARE THE BENEFITS OF BEING AN A+ STUDENT?***

- A student graduating with A+ status may be eligible for two years of tuition grants to attend any accredited public Missouri community college or career/technical school as a full-time student. Tuition benefits typically cover only tuition.
- An A+ student may be eligible for scholarships from four-year colleges and universities.
- The tuition grants may be available to the A+ student up to four years after high school graduation.
- Students graduating from a two-year school may be eligible for transfer scholarships to four-year colleges and universities.

Eligibility can be revoked at any point in time if/when a student demonstrates flagrant disregard of the Good Citizenship A+ requirement, which includes the use of unlawful drugs (including vaping) and/or alcohol. Also, eligibility will not be granted if a graduating student has not met all A+ eligibility requirements as set by DESE/State of Missouri. A student may request an appeal to the revocation and/or ineligibility of A+ approved status. An official appeal process must be followed by the student and an in-person appeal given by the student will be heard by the A+ Appeals Committee. The A+ Appeals Committee decision will be determined in a timely manner and will be directly conveyed to the student.