



Courses

The Accounting pathway generally prepares individuals to practice the profession of accounting and to perform related business functions.

It includes instruction in accounting principles and theory, financial accounting, legal aspects of accounting, auditing, reporting procedures; statement analysis, planning and consulting; business information systems, accounting research methods; professional standards and ethics; and applications to specific for-profit, public and non-profit organizations.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options

- Accounting
- Forensic Accounting
- Planner
- Tax Preparer
- Auditor
- Auditing Clerk

Accounting & Finance Foundations (060122) - Grades 9-12

Learn

Financial calculations used by business professionals
Apply accounting methods for financial records
Banking procedures

Engage

Financial case studies
Complete tax documents
Accounting for services and merchandising

Advanced Accounting (070125) - Grades 11-12

Learn

Identify business ownership structures.
Define & calculate current ratio, debt-equity ratio, return on sales, & return on equity
How internal control procedures safeguard assets

Engage

Prepare business financial statements
Calculate payroll taxes
Prepare bank reconciliation

Choose 2 of the Following

Business Principles & Applications (060111) Grades 9-10

Learn & Engage

Understand economic systems
Role and function of human resources

Introduction to Management (060411) Grades 11-12

Learn & Engage

Foster positive relationships with customers
Social Entrepreneurship - Shark Tank

Computer Tech I MOS/Digital Literacy (060112) - Grades 9-12

Learn & Engage

MOS certification
Projects related to Excel, PowerPoint and Word

Computer Tech II/Office Administration (070743) - Grades 11-12

Learn & Engage

Business writing (resume, work portfolio)
Presentation concepts and visual aids

Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12

Learn & Engage

Communication and active listening

Engage

Business laws and regulations



The Administrative Support Pathway generally prepares individuals to perform the duties of administrative assistants and/or secretaries and stenographers.

It includes instruction in business communications, principles of business law, word processing and data entry, office machine operation and maintenance, office procedures, public relations, secretarial accounting, filing systems and records management, and report preparation.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options

- Administrative Assistant
- Human Resources Specialist
- Bookkeeper
- Court Reporter
- Billing & Accounts Collector

Courses

Computer Tech I MOS/ Digital Literacy (060112) Grades 9-12

Learn

Use productivity software
Use information ethically
Operating system basics
Identify the societal impact of technology

Engage

Professional resume
Data analysis
Presentations
MOS certification

Accounting and Finance Foundations (060122) - Grades 10-12

Learn

Work and business ethics
Internet safety and e-commerce regulations
Banks and stock markets
Proprietorships, partnerships, and corporations

Engage

Letter of application, resume, and certificates
Merchandising operations
Tax form completion
Financial condition case studies

Computer Tech II/Office Administration (070743) - Grades 10-12

Learn

Internet use and security
Social media for business growth
Public speaking and oral presentation technique

Engage

Microsoft Office Specialist (MOS) certification
Professional visual aids
Resume development and job applications

Choose 1 of the following

Business and Marketing Essentials (060111) - Grades 8-10

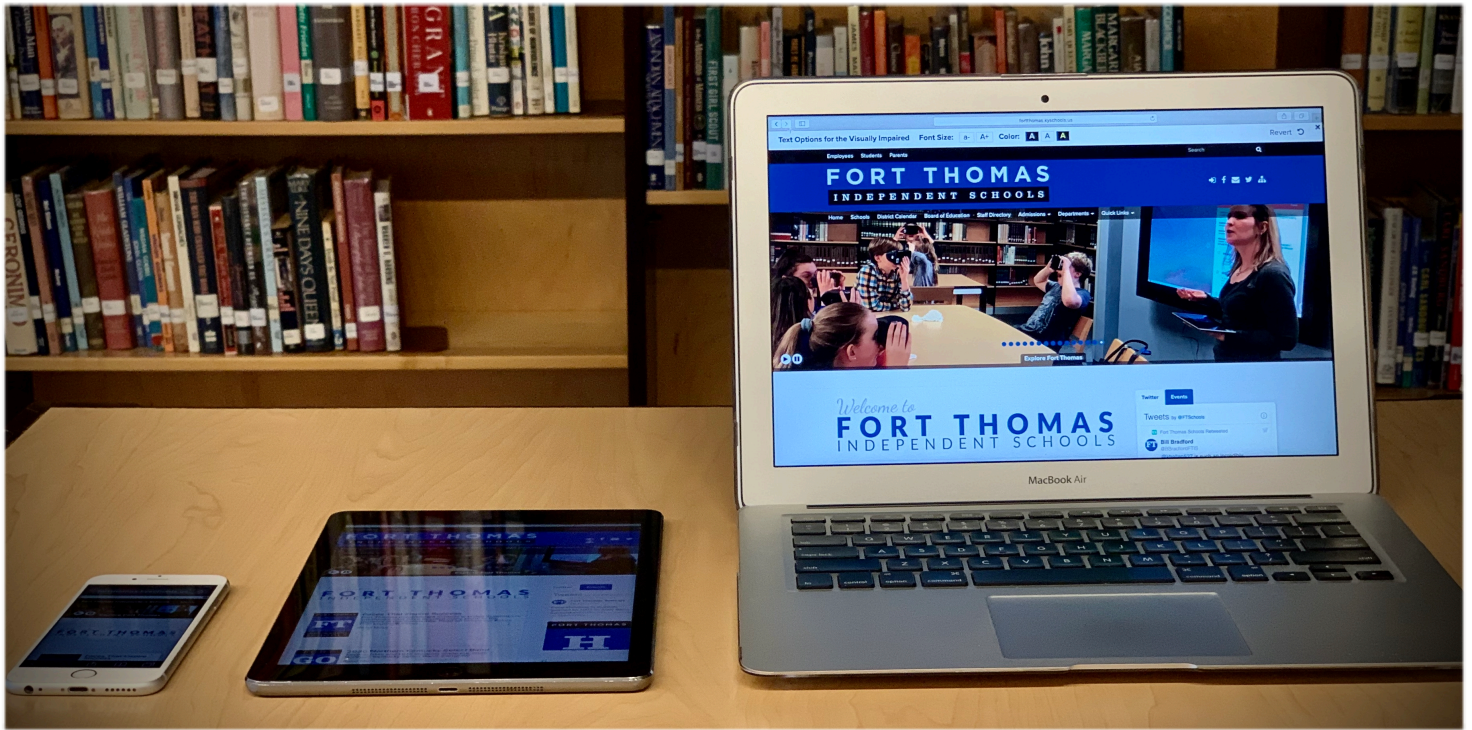
Learn & Engage

Human Resources management
Use of information-technology tools
Kings Island Marketing Day

Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12

Learn & Engage

Manage internal and external business relationships to foster positive interactions
Fortune 50 Company - Innovation experience
Historical leadership site visits



The App Development program allows students to complete projects of their own design and interest, while performing the type of work they can expect in an app development workplace.

The listed courses are taught together during a 2-period block at Launch @ 20 Grand.

College & Career Options

- App Developer
- Computer Science
- Computer Information Technology
- Data Scientist
- Cybersecurity

Courses

AP Computer Science Principles (110711) - Grades 11-12

Learn

Characteristics of the Internet
Cybersecurity concerns
Beneficial and harmful effects of computing
Computing in economic and social contexts
Managing navigation and workflows

Engage

Creation of computational artifacts
Correct programming
Development of algorithms
Models and simulations
Data persistence and table views

App Development with Swift (110821) - Grades 11-12

Learn

Documenting and building in Xcode
Strings, functions, structures, collections, and loops
Saving, sharing, and collaborating on design
Table-based interfaces

Engage

App Development with Swift certification
Designing and prototyping iOS apps
ARKit and UIKit frameworks
Object-oriented and protocol-oriented programming



The Business Analytics Flight Path provides students the opportunity to gain real-world experience in a new and growing business major and career. Students will work on solving data-centered business problems using project based learning.

The curriculum focuses on economics and applied mathematical skills, to analyze the global economy.

The Business Analytics Flight Path emphasizes the ability to formulate insightful questions using real and relevant data to interpret and improve decision making.

College & Career Options

- Data Scientist, With An Emphasis On Computer Science
- Data Scientist, With An Emphasis On Analysis
- Quantitative Analyst/Modeler
- Data Business Analyst
- Business Analyst Manager Or Consultant
- Market Research Analyst

Courses

AP Economics: Macro (450605) - Grades 11-12	AP Economics: Micro (450606) - Grades 11-12
Learn & Engage Principles of an economic system as a whole Economic performance measures Financial sector, stabilization policies, economic growth, and international economics Study of national income and price-level determination Using graphs, charts and data to analyze, describe and explain economic concepts	Learn & Engage Compare the roles of consumers and producers in the product labor and financial markets and the economy as a whole Principles of economics that apply to the functions of individual economic decision-makers Operation of product and factor markets, distributions of income, market failure Role of government in promoting greater efficiency and equity in the economy

AP Research Project (230171) - Grades 11-12	
Learn Deeply explore an academic topic, problem or issue of individual interest Understand research methods and employing ethical research practices Analyzing and synthesizing information	Engage Design, plan, and conduct a year-long research based investigation to address a research question Explore skill development, document process and curate artifacts in the development of scholarly work

Upper Level Math Course (<i>in Development</i>)	
Learn	Engage



Courses

The Culinary and Food Service pathway addresses a skill set necessary for success in the culinary industry. The courses in this pathway will help students develop skills in early career ladder positions and promote continuing education at the post-secondary level preparing for careers associated with restaurants, institutional food service, hospitality, and catering as well as food and beverage operations.

College & Career Options

- Chef/Cook
- Baker
- Entrepreneur
- Culinary Arts degree
- Hospitality Management

FACS Essentials (200113) - Grades 9-10

Learn

Peer and adolescent behavior
Balancing work and family demands
Design elements and principles

Engage

Personal budgets
Short term and long term goal setting
Diet, exercise, and rest choices

Foods and Nutrition (200441) - Grades 9-12

Learn

Practice basic cooking methods
Demonstrate knowledge of food safety
Identify influences that related to food choices

Engage

Cupcake Wars and Food Truck Projects
Meal Planning and Food Innovations Projects
Food labs

Culinary Arts I (200411) - Grades 10-12

Learn

Practice tool, knife, and equipment handling
Demonstrate food handling skills
Apply fundamentals of baking a variety of products
Prepare gourmet and international cuisine

Engage

ServSafe Manager's Certificate
Chili cook-off
Various catering jobs
Create of menu layouts and design

Culinary Arts II (200412) - Grades 11-12

Learn

Garnishing and display techniques for display
Proper weighing and measuring techniques
Roles of front and back of the house operations
Planning of special events and receptions

Engage

Various catering jobs
Employability portfolio
Menu planning project



Courses

In the e-Commerce Pathway, students focus on the creation, execution, transmission, and evaluation of commercial messages in various media intended to promote and sell products, services, and brands; and that prepares individuals to function as advertising assistants, technicians, and managers.

The Pathway includes instruction in advertising theory; marketing strategy; advertising design and production methods; campaign methods and techniques; media management; related principles of business management; and applicable technical and equipment skills.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options

- Business
- Web Design
- Consumerism
- Web Administration
- Market Research Analyst
- Web Development

Business and Marketing Essentials (060111) - Grades 8-10

Learn

Understand economic systems

Understand the nature of business to show its contributions to society

Understand marketing's role and function

Engage

Marketing Day at Kings Island

Historical business scavenger hunt

Digital Literacy / Computer Tech 1 (060112) - Grades 9-12

Learn

Use productivity software

Use information ethically

Operating system basics

Identify the societal impact of technology

Engage

Professional resume

Data analysis

Presentations

MOS Certification

Fundamentals of Social Media Marketing (081310) - Grades 11-12

Learn

Use digital tools to collect, organize and share info

Compose social media strategies

Engage

Social media business consultation project

Analysis of influencer and Reality TV market

Entrepreneurial Mindset (Dual Credit - ENTP 201) - Grades 11-12

Learn & Engage

Small business partnership collaboration

Industry and University site visits

Conceive, create and develop entrepreneurial concepts

Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12

Learn & Engage

Manage internal & external business relationships to foster positive interactions

Fortune 50 Company - Innovation experience

Historical leadership site visits



Courses

Early Lifespan Development (200223) - Grades 9-11

Learn

Describe human growth and development

Compare and contrast prenatal development

Identify factors that promote growth in children

Identify health and safety issues for children

Engage

HHS preschool program

Real care baby simulation

Flowerpots/Families project

Children's book project

Childhood Development Services I (200261) - Grades 10-12

Learn

Explore philosophies of child development theorists.

Explain procedures for caring for a child under different circumstances

Identify records and tools for assessing child development

Analyze a daily schedule for children in group care.

Engage

HHS Preschool Program

Work experience at local preschools/daycares

First Aid/CPR training

Industry certifications

Childhood Development Services II (200262) - Grades 11-12

Learn

Identify legal requirements of opening a childcare center

Explore effective communication with parents and guardians

Identify community resources available to use at a child care facility

Engage

HHS Preschool Program

Work experience at local preschools/daycares

Write age appropriate lesson plans

FACS Essentials OR Co-op Early Childhood Education (Choose 1)

FACS Essentials (20113)

HHS Preschool Program

Food Labs - Individual items and meals

Interior design space planning project

Co-op: Early Childhood Education (20021)

Receive work experience

Integrate classroom studies with work experience

Exposure to facilities and equipment

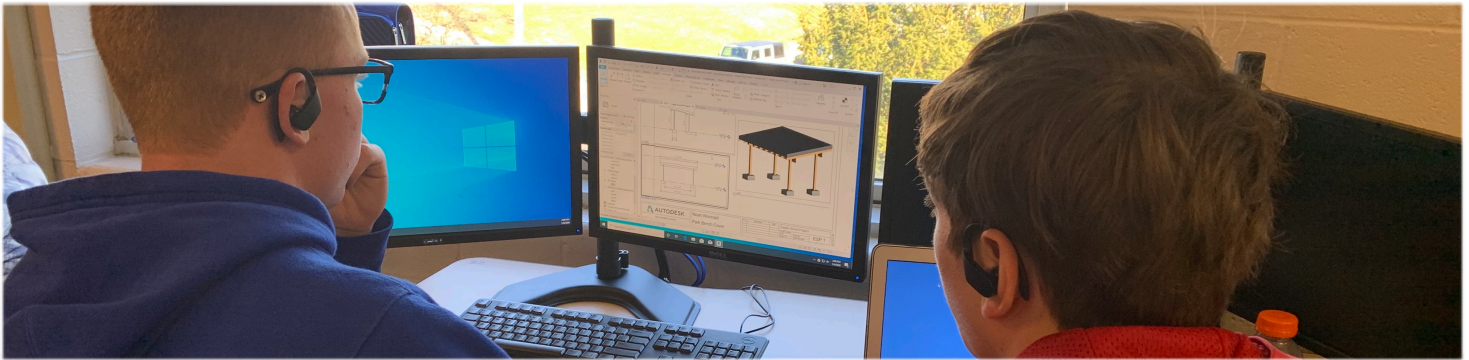
The Early Childhood Education pathway will address a skill set necessary to teach students ranging in age from infancy through eight years (grade three) depending on the school system and regulations.

This pathway is targeted for individuals preparing for careers related to early childhood education.

Students could also be eligible for Kentucky's Tech-Ready Apprenticeship program. Apprentices earn wages through on-the-job training at a child care center before, during, and/or after school hours. Apprentices transition into a full-time position after graduation.

College & Careers Options

- Early Childhood Educator
- Psychologist
- Nanny
- Pediatrician
- Midwife



Courses

The Engineering and Technology Design program is designed for students interested in the various disciplines of engineering.

The sequence of courses will provide students with the opportunity to develop critical thinking skills and understanding of engineering concepts. Students then apply these skills in conjunction the engineering design process to solve real-world problems. It includes instruction in two dimensional and/or three dimensional engineering design software, solid modeling and engineering animation to solve real-world problems.

College & Career Options

- Post secondary studies
- Engineers
- Architects
- Cad designers

Engineering I (210221) - Grades 8-12

Learn and Engage

Learn about the design process
Perform modeling and create prototype
Basic CAD functions

Learn and Engage

Sketch and build projects
Authentic projects with CAD
Design and test with Dragster and Bridges

Engineering II (210222) OR Architecture Design (210140) - Grades 9-12

Learn and Engage

Apply the design process
Create models and prototypes
Develop understanding of 2D and 3D CAD

Learn and Engage

Earn Auto Desk Inventor certification
CNC milling
Laser engraving

Architecture Design (210140) OR Dual Credit NKU CAD I (EGT 212) - Grades 10-12

Learn and Engage

Earn Auto Desk Inventor certification
CNC milling
Laser engraving

Learn and Engage

Earn Auto Desk Certification
Sketch and build projects with 3D software
Authentic projects and 3D printing

Engineering Capstone (UC Dual Credit) - Grades 11-12 or Engineering Co-op (210330) - Grades 12

Learn and Engage

Apply the design process involving problems
Demonstrate competencies in 2D and 3D

Learn and Engage

Work in teams to solve problems
Produce- CNC, milling, 3D, laser engraving

Internship (210331) - Grade 12

Learn and Engage

Apply the design process involving problems
Develop 2D and 3D drawings

Learn and Engage

Work in teams to solve problems
Produce- CNC, milling, 3D, laser engraving



Courses

The Entrepreneurship Flight Path helps students examine the essential roles of entrepreneurs in the global economy.

This Flight Path studies entrepreneurs, managers, and the enterprises that create a process of value creation. Students will be exposed to for profit, not for profit and corporate business structures to evaluate innovative business concepts.

College & Career Options

- Innovation and Entrepreneurial Studies
- General Business
- Project Manager
- Marketing
- Public Relations

Introduction to Management (060411) Grades 11-12

Learn

Different Styles of Management

Foster positive relationships with customers

Business and its contributions to society

Engage

Advertising consultation

Social Entrepreneurship - Shark Tank

Entrepreneurial Mindset (Dual Credit - ENTP 201) - Grades 11-12

Learn

View entrepreneurship as a value- creation process with ideation and opportunity recognition

Conceive, create and develop entrepreneurial concepts

Analyze and critically evaluate the potential of new business concepts

Engage

Small business partnership collaboration

University and industry site visits

Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12

Learn

Foundational knowledge of business ethics, laws & regulations

Manage internal & external business relationships to foster positive interactions

Use critical-thinking skills to determine best options/ outcomes

Engage

Fortune 50 company experience

Business ethics analysis using TV show "The Office"

Historical leadership site visits.



Courses

The Fashion and Interior Design pathway will address a skill set necessary for success in the fashion industry as well as a career in the residential housing and furnishings industry.

Fashion and Interior Design I counts as an Arts & Humanities credit. In addition to the courses listed, students may also complete a course in Fashion and Interior Design III (200826) in grade 11 or 12. In this advanced grading scale course, students complete projects in Marketing & Merchandising, and Recycling/Repurposing/ Reusing, and Fast Fashion.

College & Career Options

- Apparel/Textile Design
- Interiors: Planning, Strategy, and Design
- Retail Buyer
- Fashion Marketing

FACS Essentials (200113) - Grades 8-10

Learn

Peer and adolescent behavior
Balancing work and family demands
Design elements and principles

Engage

HHS Preschool program
Food Labs - Individual items and meals
Interior design space planning project

Fashion and Interior Design I (200821) - Grades 9-12

Learn

Fashion throughout the world and cultures
Fashion history
Fashion and interior sketching
Fashion designing and fashion capital

Engage

Designing for "A Client"
Sewing projects - minimum 2
Space planning project
Quilt project

Fashion and Interior Design II (200825) - Grades 10-12

Learning

Client based budgeting and choice
Sergers and embroidery machine use
Fiber and fabric characteristics
Pattern layouts and cuts

Engage

Student selected sewing projects
Designing a furniture line
Textile projects - dyeing fabric and fiber burn tests
Bluebird Embroidery - student run business

Internship: Fashion and Interior Design (200801) - Grades 11-12

Learn

Career awareness and career choices
Integrated classroom studies
Exposure to industry facilities and equipment

Engage

Work experience related to career
Employability potential
Planning and operating Bluebird Embroidery



Courses

The Health Innovations program is a collaboration between Highlands High School and Northern Kentucky University. It is designed to assist students toward a career in health studies.

Students who take part in this Flight Path would be working to develop skills that would open the door to hundreds of careers in the healthcare industry.

This Flight Path is appropriate for students interested in any healthcare field. Requires school counselor approval.

College & Career Options

- Health Care
- Doctor of Medicine
- Nursing
- Emergency Medical Tech
- Dentistry
- Pharmacology
- Healthcare Administration

Intro to Health Professions (Dual Credit - HSC 101) - Grades 11-12

Learn

Healthcare delivery systems
Roles of healthcare practitioners
Communication, safety, and professionalism
Healthcare trends

Engage

Interactive field trips
Visits to NKU Health Innovation Center
Clinical, radiology, cadaver, and CPR training labs for hands-on experience

Safety and First Aid (Dual Credit - HEA 135) - Grades 11-12

Learn

Types of injuries, emergencies, and sudden illness
General safety education
Accident causes and remedial action

Engage

CPR and first aid training and certification
American Red Cross certification

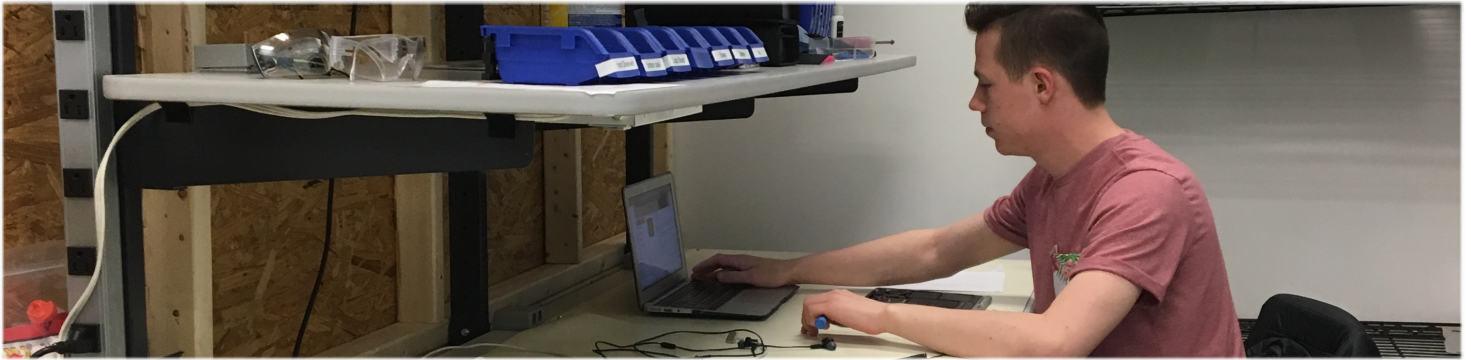
Health Professions Investigation (170111) - Grades 11-12

Learn

College career paths for chosen field
Exposure to various healthcare professions

Engage

Shadowing healthcare professionals at hospitals and offices
Internships available at private offices
Industry certification in Allied Health



The Information and Support Services pathway focuses on the design and maintenance of computing systems.

Courses associated with this pathway include Digital Literacy, Help Desk Operations, Computer Hardware and Software Maintenance, and Information Technology Internship.

At Highlands High School this includes students helping to maintain the district's 1:1 initiative. Students could become an Apple Certified Macintosh Technician (ACMT).

College and Career Options

- Apple technician
- At Home Advisor
- Help Desk Support
- Cybersecurity
- Computer Information Systems

Courses

Digital Literacy / Computer Tech 1 (060112) - Grades 9-12

Learn

Use productivity software
Use information ethically
Operating system basics
Identify the societal impact of technology

Engage

Professional resume
Data analysis
Presentations
MOS certification

Help Desk Operations (110102) - Grades 10-12

Learn

Identify common support problems
Demonstrate professional communication
Methodically problem solve
Use support and reporting tools

Engage

ACMT certification
Real time technical support
Device repair management methods
Help desk ticketing systems

Computer Hardware and Software Maintenance (110101) - Grades 11-12

Learn

Identify common basic diagnostic procedures
Apply troubleshooting process and diagnoses
Communication skills and professional behaviors
Utilize command line tasks

Engage

Device component replacements
Upgrades of operating systems
Communication
Beta testing applications and macOS

Information Technology Internship (110919) - Grades 11-12

Learn

Demonstrate and practice safe work habits
Gain career awareness and test opportunity
Receive work experience related to career interest

Engage

Authentic hands-on experience
Career related workspace and equipment
Classroom and workplace integration



Courses

The Management and Entrepreneurship Pathway generally prepares individuals to plan, organize, direct and control the functions and processes of a firm or organization.

The Pathway includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods purchasing and logistics, organizations and production, marketing, and business decision-making.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options

- Entry Level Manager
- Money Manager
- Account Manager
- Real Estate Agent
- Venture Capitalist
- Insurance Agent
- Association Manager

Business & Marketing Essentials (060111) Grades 8-10

Learn & Engage

Human Resources management
Use of information-technology tools
Kings Island Marketing Day

Introduction to Management (060411) Grades 11-12

Learn & Engage

Foster positive relationships with customers
Advertising consultation project
Social Entrepreneurship - Shark Tank

Entrepreneurial Mindset (Dual Credit - ENTP 201) - Grades 11-12

Learn

View entrepreneurship as a value-creation process with ideation and opportunity recognition
Conceive, create and develop entrepreneurial concepts
Analyze and critically evaluate the potential of new business concepts

Engage

Small business partnership collaboration
Industry and University site visits
Conceive, create and develop entrepreneurial concepts

Choose 1-2 of the following

Computer Tech I MOS/ Digital Literacy (060112) Grades 9-12

Learn

Use productivity software
Use information ethically
Operating system basics

Engage

Professional resume and presentations
Data analysis
MOS certification

Ethical Leadership (Dual Credit - LEAD 200) Grades 11-12

Learn & Engage

Open, honest, communication
Project management
Team skills and work habits

Business Economics (080317) OR AP Macroeconomics (450605) Grades 11-12

Learn & Engage

Principles of economics
Business economics concepts
Inflation and unemployment and impact on private & public sectors



Courses

In Cinematography and Video Production, students will be prepared to communicate dramatic information, ideas, modes and feelings through the making and producing of videos and cinematographic expression.

The pathway includes the theory of video, video technology and equipment operation, video production, video directing, video editing, cinematographic art, video and audio technique, and multimedia production.

College & Career Options

- Media programming/organization staff
- Producer
- Director
- Media programming/organization manager

Intro to Filmmaking/Broadcasting (480901) - Grades 9-12

Learn

History of filmmaking and broadcast
Audience identification
Elements and principles of design
Production process

Engage

Industry standard software
Filmmaking equipment
Pitch and presentation of film and broadcasting
News production

News Broadcasting I (480911) - Grades 10-12

Learn

Project leadership and collaborative skills
Hosting and ad lib announcing
Evaluation and critique of media arts
Framing and compositions

Engage

Monthly news program
Video announcements
Directing and producing media programs
Recorded and edited spots

Advanced Filmmaking (480910) - Grades 10-12

Learn

Lighting technique
Sound capture and editing
Scripting, creating, and applying storyboards
Camera placement and operation

Engage

Genre based scriptwriting
Documentaries
Trailers and short films
Adobe product certifications

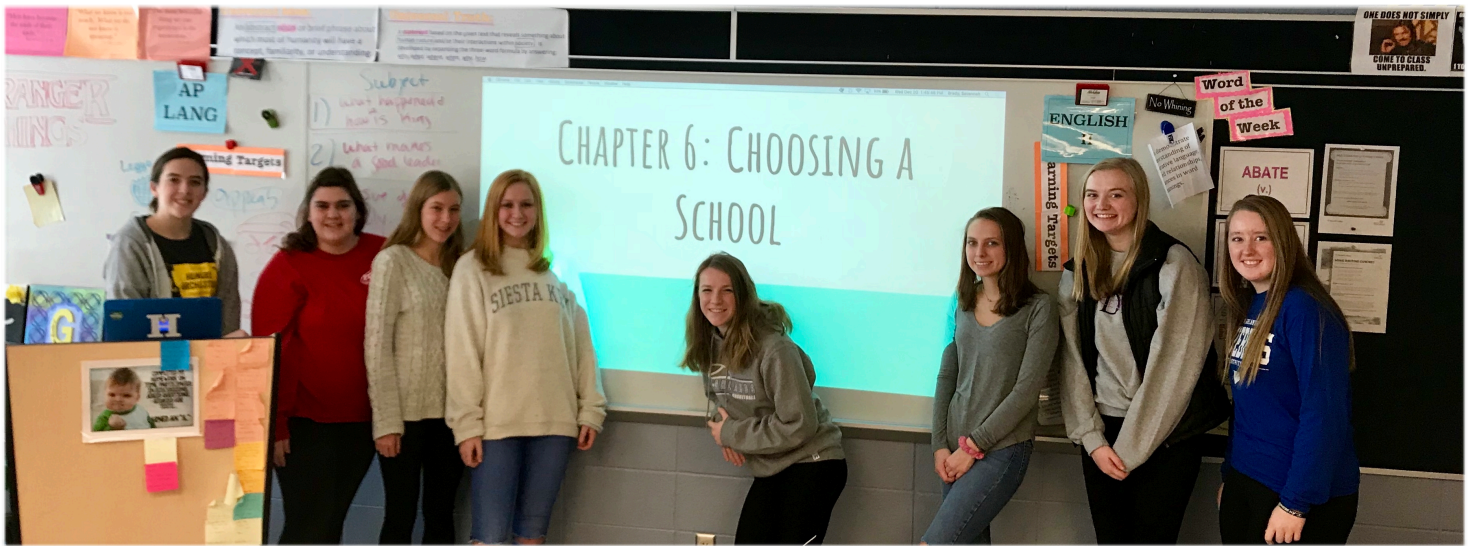
Video Production (480912) - Grades 11-12

Learn

Proposals and preproduction planning
Camera, lighting, and sound principles
Advanced postproduction processes

Engage

Community and school based video projects
Direct client interactions
Advanced graphics and special effects



Courses

The Teaching and Learning Pathway focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education. Through a wonderful partnership with Northern Kentucky University's School-Based Scholars Program, students in this pathway have the opportunity to earn twelve (12) total hours of college dual credit coursework that transfer to the Teacher Education Program. These courses involve a hybrid approach of in-class and online course offerings.

The purpose the pathway is to empower students with the knowledge, dispositions, and skills to be effective educators in a variety of disciplines and grade levels. Cooperative experience, internships, shadowing, and mentoring opportunities provide depth and breadth of learning in the instructional program, and allow students to directly apply concepts

College & Career Options

- Teacher
- School Counselor
- School Psychologist
- Educational Consultant
- Professor

Orientation to Education (Dual Credit - EDU 104) / Introduction to Education (Dual Credit -EDU 305) Grades 11-12

Learn

Explore the education profession
KY teacher standards
Contemporary educational theory

Engage

Field experience
Educational career exploration

Human Growth and Development (Dual Credit - EDU 300) - Grades 11-12

Learn & Engage

Life-span human development
Physical, cognitive, social & personal development
Student development at specific levels of instruction

Racism & Sexism in Edu. Institutions (Dual Credit - EDU 316) - Grade 12

Learn & Engage

Introduction of racism and sexism in the U.S.
Prejudice, assimilation, feminism & cultural reproduction
Social, cultural, political, psychological, & economic exclusion

Education Capstone (Dual Credit - EDU 592) - Grade 12

Learn

Inquiry-based data collection
Application of educational theories & research
Action planning

Engage

Project-based learning focused on research, creativity, and application