Powell County High School

Career and Technical Education

Career Pathways

Agriculture Science	1. Agricultural Power, Structural, Technical Systems 2. Animal Science Systems 3. Horticulture
Family & Consumer Science	Early Childhood Education
Health Occupations	Allied Health
Education	Teaching & Learning
Construction	Residential Maintenance Carpenter Assistant
Marketing	1. E-Commerce 2. Management/Entrepreneurship 3. Hospitality Travel Tourism and Recreation
Computer Science	Digital Design & Game Development

- Listed above are the current PCHS Career and Technical Education Pathways.
- Some Pathways offer “Dual-Credit” courses. These “DC” courses are High School courses that also count on the College Level

Allied Health

Complete Course Pathway Planner

1	Principles of Health
2	Medical terminology and Emergency Procedures
3	Body Structures and Functions
4	Allied Health Core Skills

Students are taught to assess/diagnose and provide a solution to many issues regarding the physical body.

Allied Health is the high school equivalent to a basis that is necessary for the beginning of medical school.

Students will complete 4 years of courses in order to pass the Allied Health Core SKills NOCTI exam, showing proof of their abilities and knowledge obtained in the courses.

Return to Career Pathway Chart

Family & Consumer Science

Early Childhood Career Pathway

FACS Essentials

Units relate to personal growth and development, consumer and management skills, goal setting and decision making, family studies, nutritional needs, foods preparation and sanitation, and interpersonal relationships.

Early Lifespan Development

This course addresses the topics of early lifespan development including conception and pregnancy, labor and delivery, infants, toddlers, preschoolers, school-age children, health and safety, and exceptional children.

Return to Career Pathway Chart

Family & Consumer Science

Early Childhood Career Pathway

FAMILY & CONSUMER SCIENCES

Creating Healthy & Sustainable Families

Child Services 1

Provides training for entry-level positions in early childhood education programs.Students study professionalism, employability skills, child growth and development, health, safety and nutrition.

Child Services 2

A continuation of Child Development Services I. Designed for students who wish to further their training in early childhood education. Students gain in-depth work experiences in child care establishments, preschool centers, and other early childhood settings.

Family & Consumer Science

Early Childhood Career Pathway

Industry Certifications & Credentials

- ★ Commonwealth Child Care Credential (CCCC)
- ★ Pediatric Abusive Head Trauma Training
- ★ Kentucky Early Care & Education Orientation Certificate

Early Childhood Education Careers

- ★ Preschool Teacher
- ★ Social Worker
- ★ Child Care Worker
- ★ Kindergarten Teacher
- ★ Elementary Teacher
- ★ Any Career Involving Children and Families

FCCLA

Family, Career and Community Leaders of America

Family, Career and Community Leaders of America is a dynamic and effective national student organization that helps young men and women become leaders and address important personal, family, work and societal issues through Family and Consumer Sciences Education.

Learn more!

https://fcclainc.org/ **and** http://www.ky-fccla.org/



Our Chapter social Media

- ★ Instagram: @powellcountyfccla
- ★ Snapchat: @pchs_fccla
- ★ Facebook: @powellfccla

Construction Technology

Residential Maintenance Carpentry Assistant Pathway

Introduction to Construction Technology (9)

Residential Maintenance Carpentry (10-11)

Residential Maintenance Wiring (10-11)

Residential HVAC Maintenance (12)

Students must take all four courses to complete the Residential Maintenance Carpenter Assistant career major. Upon completing two credits and enrolled in the third course, students will take HVAC NCCER industry certification. NCCER is a nationally recognized industry certificate the students will work toward throughout their four courses. Students will also be able to attain their OSHA 10 card through the Industrial Safety class. Students may intern their senior year once they have completed all four courses or have obtained three credits and are scheduled in their capstone class - Exterior and Interior Finish. Students must maintain a "B" average, have good attendance, and be approved by the teacher and assistant principal. Although the student is not compensated for the work done through the internship, it provides valuable hands-on work experience in a supervised setting.

Plant Science Systems

Plant Science Systems Classes	
9th	Principles of Ag Science & Technology
10th	Introduction to Greenhouse and Crop Production
11th	Floriculture and Floral Design
12th	Ag Employability Skills
12th	Agricultural Education Co-op

iCEV Industry Certification

iCEV BASF Plant Science Certification

RACER ACADEMY
Murray State University

Must be a Junior or Senior and a cumulative GPA of a 3.0 or Higher.

Please see Mr. Wills if you have any questions!

FFA
LEARNING TO DO
DOING TO LEARN
EARNING TO LIVE
LIVING TO SERVE

Must be enrolled in an Agriculture class to be a member of FFA

Job Opportunities

- Nursery Manager
- Floral Shop Owner
- Greenhouse Manager
- Seed Company Representative
- Produce Producer

Return to Career Pathway Chart

Animal Science Systems

Animal Science Systems Classes	
9th	Principles of Ag Science & Technology
10th	Animal Science (Dual Credit Option)
11th	Veterinary Science (Dual Credit Option)
12th	Ag Employability Skills
12th	Agricultural Education Co-op

iCEV Industry Certification

Elanco Fundamentals of Animal Science and Veterinary Medical Applications

RACER ACADEMY
Murray State University

Must be a Junior or Senior and a cumulative GPA of a 3.0 or Higher.

Please see Mr. Wills if you have any questions!

Must be enrolled in an Agriculture class to be a member of FFA



Job Opportunities

- Agricultural & Food Scientist
- Animal Care & Service Workers
- Veterinary Assistants & Laboratory Animal Caretakers
- Veterinary Technologists & Technicians
- Zoologists & Wildlife Biologists

Return to Career Pathway Chart

Ag Power Structured Tech Systems

Ag Power, Structural, Tech Systems Pathway	
	Principles of Ag Science & Technology (9th grade)
	Agricultural Construction Skills (10th grade)
	Agricultural Power & Machinery Operations (11th grade)
	Ag Employability Skills (12th grade)
	Agricultural Education Co-op (12th grade)

Industry Certification

- ICEV Equipment and engine Training Council Principles of Small Engine Technology

Weld, Small Engine disassembly and assembly, Service Farm Equipment





Possible Career Fields

- Welder
- Small Engine Technician
- Field Mechanic
- Service Technician
- Equipment Sales

Must be enrolled in an Agriculture class to be a member of FFA

Return to Career Pathway Chart

Marketing
Student Organizations/Clubs

FBLA - Future Business Leaders of America

Future Business Leaders of America-Phi Beta Lambda, Inc. (FBLA-PBL) is the largest career student business organization in the world. Each year, FBLA-PBL helps over 230,000 members prepare for careers in business.

Mission Statement
FBLA-PBL inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.

DECA - Distributive Education Clubs of America

DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe.

Marketing

Marketing Pathways

E-Commerce

Digital Literacy (9)
Principles of Marketing (9-10)
Ethical Leadership (11-12)
Social Media Marketing (11-12)

MANAGEMENT & ENTREPRENEURSHIP

Digital Literacy (9)
Principles of Marketing (9-10)
Business Management (11-12)
Entrepreneurship (11-12)

Students must take all four courses to complete the career major. Upon completing two credits and enrolling in the third course, students will take the related EOP assessment for the specific career major. The EOP assesses a students' employability and occupational specific skills. Students may co-op their senior year once they have completed all four courses or have obtained three credits and are scheduled in their capstone class (italicized above). Students must maintain a "B" average, have good attendance, and be approved by the teacher and principal. Cooperative education provides valuable hands-on work experience in a supervised setting. Students who participate may receive compensation for their work.

Maysville Community & Technical College

Dual Credit Courses Taught in the Marketing Pathways is Offered Through Maysville Community and Technical College. Please See One of the Counselors to Find Out if you Qualify to Take Dual Credit Courses

Careers Associated with Marketing

- Tourism and Tourism Director
- Financial Analyst
- Public Relations/HR
- Promotional Advertising
- Finance Manager
- Loan Officer
- Graphic Designer

Hospitality Travel Tourism and Recreation

Hospitality and Tourism Marketing Pathway

- ❑ FCS Essentials (9)
- ❑ Marketing Principles (10)
- ❑ Principles of Hospitality (11)
- ❑ Travel and Tourism Marketing (12)

Industry Certification: ServSafe Manager Credential

The Hospitality, Travel, Tourism and Recreation career pathway prepares individuals to provide services in the hospitality and leisure fields. Includes instruction in hospitality operations; customer sales; marketing techniques; assistance operations and techniques; basic office management; sports, recreation and equipment management; and food and beverage services. The Hospitality, Travel, Tourism and Recreation career pathway is a hybrid pathway that consists of courses within Family Consumer Sciences Education and Marketing Education. It blends two program areas to help students explore technical skills in the industry.Students must take all four courses to complete the career major. Upon completing two credits and enrolling in the third course, students will take the related EOP assessment for the specific career major.

Maysville Community & Technical College

Dual Credit Courses Taught in the Marketing Pathways is Offered Through Maysville Community and Technical College. Please See One of the Counselors to Find Out if you Qualify to Take Dual Credit Courses

Hospitality & Tourism Careers

- Tourism and Tourism Director
- Financial Analyst
- Public Relations/HR
- Promotional Advertising
- Finance Manager
- Graphic Design

Computer Science
Digital Game Design

The Digital Game Design pathway begins with an introduction to all things computers and software in the computer literacy class. The second class, Introduction to Game Design, explores digital game design history, types of digital games, introduction to game design, coding in Python with an introduction to Unity and CodeHS. The Introduction to Digital Graphics is the third class and focuses on graphics, animation, creating games using code, introducing to 3D design software used in the industry and 3D printing for prototype design. The fourth class brings all things together creating games on industry game engines, 3D characters, tools and animation. Students will learn to visualize, create and publish their own digital games. We are currently in the process of building a program robot on the 3D printers for our students to program in Python.

Digital Game Design Pathway	
1st	Computer Literacy with a Dual Credit Option
2nd	Game Design and Development Principles
3rd	Introduction to Digital Game Graphics
4th	Advanced Game Design and Development Principles
5th	Computer Science Co-op

TECHNOLOGY STUDENT ASSOCIATION

Industry Certifications

By graduation, students will have the opportunity to receive several certifications including Certiport IC3 and Adobe Certified Professional: Photoshop & Animate, Unity Animation and Unity Programmer.

Adobe

unity

CompTIA + TestOut

Maysville Community & Technical College

MakerBot

Python



Return to Career Pathway Chart

EDUCATION AND TRAINING CAREER PATHWAYS

Teaching and Learning

This 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.

BEST PRACTICE COURSES

Complete (3) three credits:
331030 The Learning Community
331031 The Learner-Centered Classroom
331032 The Professional Educator
Choose (1) one credit from the following:
331033 Collaborative Clinical Experience
331034 Principles of Career and Technical Education
An IB, AP, or Dual Credit course in intended teaching discipline

UNIVERSITY OF LOUISVILLE.
COLLEGE OF EDUCATION & HUMAN DEVELOPMENT

Dual Credit Program

The U of L High School Dual Credit Program offers qualified, local high school students the opportunity to earn college and high school credit simultaneously before they receive their high school diploma. Benefits of the program are to:

- **Develop a college transcript while in high school**
- **Experience college curriculum and instructional methods**
- **Shorten the amount of time required to complete a college degree**
- **High school students save money by reduced costs; tuition for a UofL dual credit college course is $58 per credit hour beginning academic year 2019-2020. - *these rates do not apply to distance education courses*.**
- **Schools participating in the dual credit program are eligible for the Dual Credit Scholarship Program.**
- **Access to our state-of-the-art Student Recreation Center available to all high school students**

This program is only available to students who attend schools that participate in the U of L High School Dual Credit Program.

Return to Career Pathway Chart



Overview of Educators Rising issues and challenges.

Fast Facts about Educators Rising

- As a Career and Technical Student Organization (CTSO), Educators Rising offers resources and opportunities that integrate directly into the academic progr
- Educators Rising is a free national membership organization for aspiring teachers and their mentors. If you are leading or participating in a school-based program that helps young people explore teaching — in secondary or postsecondary — consider joining Educators Rising to connect with peers and experts around the country who are focusing on the same aims of “teacher academy” career and technical education courses at the high school level.
- You can still sign up to join Educators Rising even if your program is not part of career and technical education.
- For a full overview, check out the 2019–2020 Guide and a calendar of events and deadlines. You can also print and share this overview flyer.

Membership

- More than 2,400 schools have joined our free national network.
- More than 43,000 students have signed up as rising educators, and 51% of our student network is comprised of students of color.
- 31 states and regions have become official Educators Rising affiliates. (Students and teacher leaders outside these 31 affiliates are still enthusiastically welcome to join!)

Powell County High School
CTE Staff Members

Powell County High School

Agriculture Education- Cole Wills, Langdon Winburn

Family & Consumer Science- Sierra McKinney

Health Science - Jessica Neal

Teaching and Learning - Melissa Meade

Construction - Stephen Willis

Marketing - Alison Hayden

Computer Science- Trish Burton

District Office Staff

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