P.K. Pathways:
Computer Science with AI

PKY
BLUE WAVE

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Our School. Your Future.

P.K. High School Pathways

P.K. Pathways
provide structure for
how a student spends their
elective
time in high school.

PATHWAYS

BAND
Engaging students through creativity and disciplined coursework in Band

CAPSTONE
Prepping students through additional Advanced Placement coursework

COMPUTER SCIENCE WITH AI (CTE)
Preparing students for a career in Computer science and Artificial intelligence

ENGINEERING (CTE)
Developing students for a career in engineering

ENTREPRENEURSHIP (CTE)
Certifying students for a career in Entrepreneurship

HEALTH & HUMAN PERFORMANCE
Developing students through health and human performance coursework

PERFORMING ARTS
Engaging students through creative coursework in Musical Theater or Theater

What is Career & Technical Education (CTE)?

Career and Technical Education provides:

- Coherent and Rigorous Content
- Technical Skills
- Employability Skills
- Industry Certifications
- Opportunities for Bright Futures Gold Seal Scholarship

Why Computer Science with AI Pathway?

- CS and AI careers in all fields
- Competitive starting salaries
- Opportunities for both collaborative work and independent work
- Broad potential career paths include network management, cybersecurity, software development, web design, game development, data science and more!
- Very diverse field with opportunities abroad
- Learn high level problem solving skills and logical reasoning
- Ability to create programs to solve problems in your community or your area of interest

P.K. Pathways: Computer Science with AI (CTE)

Computer Science with AI Pathway

- Basic knowledge of Computers, networks, the internet, and digital data

- Foundational programming skills

- Knowledge of how AI is developed and applied to our world

- Foundational skills to build a machine learning program

Computer Science with AI Pathway

P K Yonge
Developmental Research School
at the University of Florida

About This Pathway

- 4 Years of Computer Science focused coursework
- 7 AP Course (5 core + 2 CS)
- 3-4 additional electives

Potential Certifications (in review)

- Project Management
- Certifications in specific coding languages
- Microsoft AI Fundamentals Certification/ related certifications

Computer Science with AI Pathway

- AP Computer Science Principles (available 23-24)

- AI in the World/Applications of AI (in development)

- Procedural Programming (in development)

- AP Computer Science A (in development)

- Foundations of Machine Learning (in development)

P.K. Pathways:
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Example Pathway Progression

Computer Science with AI Pathway for 9th Graders 2023-2024

Pathway Progression: CS with AI	
9th	**AP Computer Science Principles**
10th	**AI in the World /Applications of AI** **Procedural Programming**
11th	**AP Computer Science A**
12th	**Foundations of Machine Learning**

Enter Questions in Chat or Scan

https://forms.gle/mcskJRq82cvRsZwS7