



Course resumes showcase the technical skills students obtain in each PLTW course. Each resume outlines the computational skills, analytical skills, and knowledge acquired in the course. Course resumes also detail student experience with tools, software, lab work, and engineering design. The detailed skills listed within course resumes illustrate the immediate, applicable contributions that students can make within a workplace.

Computational Thinking Practices

- Program Design and Algorithm Development
- Code Logic
- Code Implementation
- Code Testing
- Documentation

Alignment to Introductory College-level Programming Course

- Program design and algorithm development by determining if required code segments produce a given output.
- Code logic by determining the output, value, or result of given program code given initial values.
- Code implementation by writing and implementing program code.
- Code testing by analyzing program code for correctness, equivalence, and errors.
- Documentation by describing the behavior and conditions that produce the specified results in a program.
- Ethical Computing by understanding the ethical and social implications of computer use.

Programming Language

- Java

Tools and Software

- Microsoft Visual Studio Code
- Embedded code editor

Professional Skills

- Presentation/communication
- Technical writing
- Public speaking
- Collaboration
- Ethics

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