

COMPUTER STANDARDS

HIGH SCHOOL

FOSTERING AN INCLUSIVE COMPUTING CULTURE

- Include the unique perspectives of others
- Address the needs of diverse end users
- Employ self- and peer-advocacy

COLLABORATING AROUND COMPUTING

- Cultivate working relationships
- Create team norms, expectations, and equitable workloads
- Solicit and incorporate feedback
- Evaluate and select technological tools

RECOGNIZING AND DEFINING COMPUTATIONAL PROBLEMS

- Identify complex, interdisciplinary, real-world problems
- Decompose complex real-world problems
- Evaluate whether it is appropriate and feasible

DEVELOPING AND USING ABSTRACTIONS

- Extract common features
- Evaluate existing technological functionalities
- Create modules
- Model phenomena and processes

CREATING COMPUTATIONAL ARTIFACTS

- Plan the development
- Create a computational artifact
- Modify an existing artifact

TESTING AND REFINING COMPUTATIONAL ARTIFACTS

- Systematically test
- Identify and fix errors
- Evaluate and refine

COMMUNICATING ABOUT COMPUTING

- Select, organize, and interpret
- Describe, justify, and document
- Articulate ideas responsibly