

Eighth Grade Technology Standards

Students will use basic and advanced coding techniques to design, implement and solve problems.

Students will be able to identify the fundamental and principles of cyber security.

Standard 1: Students will understand basic operations and concepts of technology

- Students will demonstrate an understanding of the nature and operations of technology systems.
- Student will be proficient in the use of technology.
- Students will apply and touch systems of keying when using the computer.

Standard 2: Students will understand the importance of social, ethical, and human issues associated with technology.

- Students will understand the ethical, cultural, and societal issues related to technology.
- Students will practice responsible uses of technology systems, information, and software.
- Students will develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

Standard 3: Students will use technology productivity tools

- Students will use technology tools to enhance learning, increase productivity, and promote creativity.
- Students will use productivity tools to collaborate in constructing technology – enhanced models, prepare publications, and produce other creative works.

Standard 4: Students will use technology communications tools.

- Students will use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.
- Students will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

Standard 5: Students will select and use appropriate technology research tools.

- Students will use technology to locate, evaluate, and collect information from a variety of sources.
- Students will use technology tools to process data and report results.
- Students will evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

Standard 6: Students will utilize technology problem – solving and decision making tools.

- Students will use technology resources for solving problems and making informed decisions.

- Students will employ technology in the development of strategies for solving problems in the real world.