## Standard 1: Creativity and Innovation

*Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.*

**Students will be able to:**

- **ECT.1.1** Apply existing knowledge to generate new ideas, products, or processes.
- **ECT.1.2** Create original works as a means of personal or group expression.
- **ECT.1.3** Use models and simulations to explore complex systems and issues.
- **ECT.1.4** Identify trends and forecast possibilities.

## Standard 2: Communication and Collaboration

*Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.*

**Students will be able to:**

- **ECT.2.1** Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.
- **ECT.2.2** Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
- **ECT.2.3** Develop cultural understanding and global awareness by engaging with learners of other cultures.
- **ECT.2.4** Contribute to project teams to produce original works or solve problems.

## Standard 3: Research and Information Fluency

*Students apply digital tools to gather, evaluate, and use information.*

As a basis for this, students will be able to:

- **ECT.3.1** Plan strategies to guide inquiry.
- **ECT.3.2** Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
- **ECT.3.3** Evaluate and select information sources and digital tools based on the appropriateness to specific tasks.
- **ECT.3.4** Process data and report results.
### Standard 4: Critical Thinking, Problem Solving, and Decision Making

*Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.*

**Students will be able to:**

- **ECT.4.1** Identify and define authentic problems and significant questions for investigation.
- **ECT.4.2** Plan and manage activities to develop a solution or complete a project.
- **ECT.4.3** Collect and analyze data to identify solutions and/or make informed decisions.
- **ECT.4.4** Use multiple processes and diverse perspectives to explore alternative solutions.

### Standard 5: Digital Citizenship

*Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.*

**Students will be able to:**

- **ECT.5.1** Advocate and practice safe, legal, and responsible use of information and technology.
- **ECT.5.2** Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.
- **ECT.5.3** Demonstrate personal responsibility for lifelong learning.
- **ECT.5.4** Exhibit leadership for digital citizenship.

### Standard 6: Technology Operations and Concepts

*Students demonstrate a sound understanding of technology concepts, systems, and operations.*

**Students will:**

- **ECT.6.1** Understand and use technology systems.
- **ECT.6.2** Select and use applications effectively and productively.
- **ECT.6.3** Troubleshoot systems and applications.
- **ECT.6.4** Transfer current knowledge to learning of new technologies.