## Standard 1: Creativity and Innovation

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

*Students will be able to:*

- **PGD1.1** Apply existing knowledge to generate new ideas, products, or processes.
- **PGD1.2** Create original and complete programming solutions while demonstrating good coding practices.
- **PGD1.3** Use programming solutions to explore and solve complex logical problems.

## 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:*

- **PGD2.1** Interact and collaborate with peers, or others employing a variety of digital environments and media.
- **PGD2.2** 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:*

- **PGD3.1** Plan strategies to guide inquiry.
- **PGD3.2** Evaluate and select information sources and digital tools based on the appropriateness to specific tasks.

## 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:*

- **PGD4.1** Identify and define authentic problems and significant questions for investigation.
- **PGD4.2** Plan and manage activities to develop a solution or complete a project.
- **PGD4.3** Use multiple processes and diverse perspectives to explore alternative programming 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:**

- **PGD5.1** Advocate and practice safe, legal, and responsible use of information and technology.
- **PGD5.2** Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.
- **PGD5.3** Demonstrate personal responsibility for lifelong learning.

## Standard 6: Technology Operations and Concepts

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

**Students will be able to:**

- **PGD6.1** Understand and use technology systems.
- **PGD6.2** Select and use applications effectively and productively.
- **PGD6.3** Troubleshoot systems and applications.
- **PGD6.4** Transfer current knowledge to learning of new technologies.