

DIGITAL TECHNOLOGIES

HOW WILL I BENEFIT FROM STUDYING DIGITAL TECHNOLOGIES?

The world is moving toward the digital economy where education, health, and all aspects of life are progressing towards digitisation. It is important that you learn how to use and develop digital technologies in order to participate fully in the digital world. In this course, you will learn how to be both digitally literate as well as creators of technologies.

Digital Technologies is the study of how the application of information systems, computational design, and systems thinking enable the creation of purpose-designed digital solutions to meet current and future needs.

Students develop a range of thinking skills, such as systems thinking, design thinking, and computational thinking. They also learn how to plan and manage digital projects, to create interactive information, and to consider how the solutions they create now will be used in the future. Students design user experiences (UX), algorithms, and implement digital solutions. They evaluate information systems and their solutions in terms of meeting needs, innovation, and sustainability.

WHAT ARE THE TOPICS IN YEAR 8?

- Lego Robotics
- User Interface and User Experience Design
- Systems and Data
- Algorithms
- Python Coding

WHAT IS THE ASSESSMENT?

By the end of Year 8 students will have had opportunities to create a range of digital solutions both practical and project based and an exam in Systems and Data.

STUDENT'S OVERALL ACHIEVEMENTS ARE ASSESSED WITHIN THE FOLLOWING CRITERIA:

- Knowledge & Understanding
- Processes & Production Skills