CRITICAL THINKING THROUGH COMPUTING SCIENCE

STEM – SUCCESSFUL LEARNERS

GET A HEAD START IN ONE OF THE WORLD'S FASTEST GROWING INDUSTRIES!

Develop your understanding of how computer systems work and how computational thinking can be used to solve real-world problems. You will gain practical experience in designing, developing, and testing digital solutions, while also learning how data is represented and how computer systems operate securely and effectively. You will develop problem-solving skills, logical thinking, and digital literacy, preparing you for further study or employment in a digital world.

SKILLS FOCUS

COMMUNICATING · COLLABORATING · LEADING · CURIOSITY · CREATIVITY · CRITICAL THINKING · INITIATIVE · ADAPTING · FOCUSING

RECOGNITION OF ACHIEVEMENT

National 4 Computing Science

SENIOR PHASE PROGRESSION

National 5 Computing Science

LEARNING INTENTION, SUCCESS CRITERIA & CAREER OPPORTUNITIES

Learning Intentions

I will:

- communicate computing ideas clearly using appropriate language, diagrams, and explanations.
- focus on a computing task and manage my time effectively.
- work collaboratively with others to solve computing problems.
- take initiative when solving computing problems.
- think critically about problems and solutions in Computing Science.

Success Criteria

I can:

- design, create, test and explain a working computer program that solves a given problem.

- explain how a computer system works and use it correctly to carry out basic computing tasks.

Career Opportunities

- Software Developer
- IT Technician
- Data Analyst
- Cyber Security specialist

The Four Capacities

Confident Individuals · Responsible Citizens · Successful Learners · Effective Contributors