



# S3 COMPUTING SCIENCE

## What Themes or Topics will you study in this subject?

IN S3 LEARNERS WILL BE PREPARED FOR PROGRESSION TO NATIONAL 4, 5 AND HIGHER QUALIFICATIONS IN THE SENIOR SCHOOL. AREAS COVERED INCLUDE: COMPUTER SYSTEMS THEORY AS WELL AS DATABASE DESIGN AND DEVELOPMENT. COMPUTER PROGRAMMING WHICH INVOLVES CREATING PROGRAMS USING SCRATCH AND LIVECODE. ALSO WEBSITE DESIGN AND DEVELOPMENT USING HTML AND CSS.

## What Skills will you develop in this subject?

PROBLEM SOLVING AND CRITICAL THINKING SKILLS WHEN LEARNING HOW TO PROGRAM COMPUTERS AND DESIGN AND CREATE WEBSITES.

LOGICAL THINKING SKILLS WHEN DESIGNING GOOD INFORMATION SYSTEMS, INCLUDING DATABASES AND WEBSITES.

## What future study is available in this subject in the senior phase?

IN S4-S6: NATIONAL 4 COMPUTING SCIENCE.

IN S4-S6: NATIONAL 5 COMPUTING SCIENCE.

IN S5 AND S6: HIGHER COMPUTING SCIENCE.

IN S4-S6: NPA COMPUTER GAMES DESIGN & DEVELOPMENT OR NPA CYBER SECURITY.

## What Careers are available?

A COMPUTER PROGRAMMER EARNING UP TO £70,000+ PER YEAR.

A COMPUTER GAMES DEVELOPER EARNING UP TO £50,000+ PER YEAR.

A SYSTEMS ANALYST EARNING UP TO £40,000+ PER YEAR.

A WEB DEVELOPER EARNING UP TO £40,000+ PER YEAR.

A DATABASE ADMINISTRATOR EARNING UP TO £50,000+ PER YEAR.

A DIGITAL FORENSICS INVESTIGATORS UP TO £50,000+ PER YEAR

A COMPUTER NETWORK ENGINEER EARNING UP TO £50,000+ PER YEAR...MANY MORE

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