

## National 3 Computing Science (Course Code: C716 73)

SCQF Level 3 (18 Credit Points)

### Why study Computing Science?

Computing science is vital to everyday life – on social, technological and economic levels. It shapes the world in which we live and its future. Computing is embedded in the world around us, from systems and devices in our homes to our places of work. It has also changed the way we learn, relax, travel and communicate.

Learning computing science will give you many benefits apart from learning about technology. You will learn valuable transferable work and life skills, such as being able to solve problems in a logical way, think creatively and handle information.

The skills you learn in this course are useful in lots of different job areas. These include science, communications, entertainment, education, business and industry.

### Career Pathways

To see what career areas this subject could lead to and the routes to get there, download and view these career pathways:

[Computing and ICT](#)

[Transport and Distribution](#)

[Uniformed and Security Services](#)

### What do I need to get in?

The school or college will decide on the entry requirements for the course. You would normally have achieved:

- **National 2 Information and Communications Technology**

### What will I study?

This course aims to help you learn practical skills to create simple digital solutions. You will also learn about today's world of technology. You will learn how to use development software to create simple computer games, animations or applications.

The course has **two** compulsory units.

#### Building Digital Solutions (9 SCQF credit points)

In this unit you will:

- become familiar with the features of development software

- use software to build digital solutions such as computer games, animation and other applications.

### Information Solutions (9 SCQF credit points)

In this unit you will:

- become familiar with a range of applications, such as databases and web page creation software, or a range of web-based tools, such as blogs, wikis and online documents
- learn to use these applications to create, share and locate information.

### How will I be assessed?

Your work will be assessed by your teacher or tutor on an ongoing basis throughout the course. Items of work might include:

- practical work – producing web pages, blogs, games or digital presentations
- class-based tests – online or electronic tests for short answer, multiple choice or true/false scenarios.

You must pass both units to gain the course qualification.

### Study Materials

### What can I go on to next?

If you complete the course successfully, it may lead to:

- **National 4 Computing Science**

Further study, training or employment in:

- Computing and ICT
- Engineering
- Science and Mathematics