

# NLC COMPUTING & CREATIVE iMEDIA LEARNING JOURNEY

NEXT STEPS:  
ONTO HIGHER EDUCATION,  
APPRENTICESHIP OR FULL TIME  
EMPLOYMENT

## STORYTELLING THROUGH A COMIC STRIP

YEAR  
11

BTEC EXAM

## CREATING INTERACTIVE MULTIMEDIA PRODUCTS

## DESIGNING A GAME CONCEPT

### PRE-PRODUCTION SKILLS

This unit is an exam based unit that will cover all Pre production skills in the planning and implementation of digital projects.

### EXAM PREPARATION

### DIGITAL GRAPHICS & BTEC COURSEWORK

### DIGITAL GRAPHICS

This unit ties into year 9 and the graphics industry, where many various types of digital media are created – from album covers, advertisements to film posters and game box sleeves.

YEAR  
10

### I'M A GRAPHIC DESIGNER

This includes planning creative ideas, being aware of copyright law and learning about different file formats for digital media.

### I'M A RESEARCH SCIENTIST

This prepares students for the technological changes that are about to take place, with a focus on the ethical impact.

### I'M A HARDWARE ENGINEER

Students explore how computers are made and the different hardware components found inside.

### I'M A GRAPHIC DESIGNER

Students get skilled up in Photoshop and then put everything they learnt into practice by having to create a digital artefact. This will need to meet the needs of the client.

### I'M A RESEARCH SCIENTIST

With Artificial Intelligence about to take centre stage, the future for our students is going to be a lot different to what we are all used to now. Students to explore this in detail.

### I'M A HARDWARE ENGINEER

The unit of work will first introduce students to basic theory on CS Systems Architecture, such as how the CPU and internal memory works.

CREATIVE iMEDIA  
YEAR  
9

### I'M A WEBSITE DESIGNER

Students learn how computers and digital devices are connected across networks.

### I'M A COMPUTER PROBLEM SOLVER

Breaking problems down to create solutions is a very useful and desired skill set. Combining this with programming and students become more systematic and logical in their thinking.

### I'M A COMPUTER PROGRAMMER

Advanced Python Programming skills learnt.

### I'M A WEBSITE DESIGNER

This unit introduces students to the world of the internet and the world wide web.

### I'M A BUSINESS ENTREPRENEUR

This is a taster term to allow pupils to explore Business as an option before Options Evening.

### I'M A COMPUTER PROGRAMMER

Students are shown the importance of learning how to program and go to learn the basics of Python Programming (a language used in industry).

YEAR  
7

### I'M A CYBER PROTECTION OFFICER

This unit introduces students to CS content on network threats. Students will learn digital threats such as email phishing scams, methods of computer hacking and malware.

### I'M A DATA ANALYST

Students learn how data is represented in binary – the language of 1s and 0s.

YEAR  
8