

NLC COMPUTING & CREATIVE iMEDIA LEARNING JOURNEY

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

**STORYTELLING THROUGH
A COMIC STRIP**

**DESIGNING A
GAME CONCEPT**

**CREATING INTERACTIVE
MULTIMEDIA PRODUCTS**



**YEAR
11**

**BTEC
EXAM**

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.

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.

EXAM PREPARATION

**DIGITAL GRAPHICS &
BTEC COURSEWORK**

**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**

