

# Computer Science GCSE

**Exam Board: OCR**  
**Course Code: J277**

## Computer Science Course Overview

This course will give students a real, in-depth understanding of how computer technology works. They will also gain an insight into what goes on 'behind the scenes', including computer programming, which they will find fun, challenging and absorbing.

## How is the course assessed?

2 Components:

Unit 01: Computer Systems - **Exam 50%**

Unit 02: Computational Thinking, Algorithms & Programming - **Exam 50%**

## What will you be doing?

Currently students are learning a 01 and 02 theory content in preparation of their two exams and controlled assessment during year 11. Students will have learnt some programming in KS3 and will continue to develop a better understanding over the next two years. This will prepare them for their Unit 02 exam at the end of year 11. They will also sit their Unit 01 exam at the same time.

## Is this course for you?

How many times have you heard the word Algorithm? What is an algorithm? Ever wondered how Jeff Bezos and Mark Zuckerberg used Computer Science to become two of the richest men in the world? If so, this is the subject for you. Not only will you learn how the insides of a computer work but you will also learn to code; the building blocks to every website you visit, every app you use and every game you play. In this subject you will learn to combine your math skills to think logically and understand how a computer thinks and works. Intrigued? Pick this course so you can learn how to make a computer do what you want it to do.

## What could this course lead to?

Studying this course has a natural progression into A Level Computer Science. Following on from this, jobs such as Cyber security analyst, Games designer, Web designer and Software engineer are just a few exiting opportunities this path leads to.

## Who can I contact for further advice or support?

Mr N Jamal, Head of Department: [njamal@cityleicester.Leicester.sch.uk](mailto:njamal@cityleicester.Leicester.sch.uk)

