

Key Stage 4 Options

Computer Science
Pearson Edexcel GCSE 1CP2



10 reasons why to choose Computer Science?

Reason 1

You will **develop** your creative, analytical, problem solving and logical reasoning skills.

Reason 2

Learn to code and **create** concise programs.

Reason 3

Learn and **use** programming software and services.

Reason 4

Evaluate the security issues and suitability of different computer networks in a given scenario.

Reason 4

Explore the developing ethics and legal issues of using digital technologies.

Reason 5

The **future possibilities** are unlimited (only going to become more important!)

Reason 6

Understand how the **internet** works and sends data across the globe.

Reason 7

Develop your **Cyber Security** skills and understanding

Reason 8

Explore how digital technology is used in a variety of **industries**.

Reason 9

Studying how the computer receives data and turns it into information

Reason 10

It will **prepare** you for further study in **Sixth Form** to take Computer Science

What skills do I need for Computer Science?

Interested in Technology

Able to solve problems

Creative

Patience

Resilience

Logical

Perseverance

Good at maths

Interested in Programming

Course Overview

The course is comprised of **2** components:

Component 1
Principles of Computer
Science



Written Exam

You will learn what algorithms are, how they are used and how they work. You will also explore data, computers, networks and the issues surrounding technology

Component 2
Application of
Computational
Thinking



Practical Exam

You will design, write, test and refine programs in order to solve problems using an onscreen environment

Assessment

Component 1
**Computational Thinking
and programming skills**



WRITTEN EXAM

75 Marks

50% of the final mark

**Marked by external
assessor**

Your will have a series of assessment points
to track your progress

Component 2
**Application of
Computational Thinking**



ONSCREEN EXAMINATION

75 Marks

50% of the final mark

**Marked by external
assessor**

Your will have a series of assessment points
to track your progress

Computer Science GCSE

For more information please speak to your Year 9 teacher

9C, 9M contact Miss Darby
9F, 9GT, 9S & 9W contact Mrs Batt
9O contact Miss Goede

or contact

Miss Darby via email on:
s.darby@roundwoodpark.co.uk
Mrs Batt via email on:
a.batt@roundwoodpark.co.uk

