HARROW SIXTHFORM COLLEGIATE

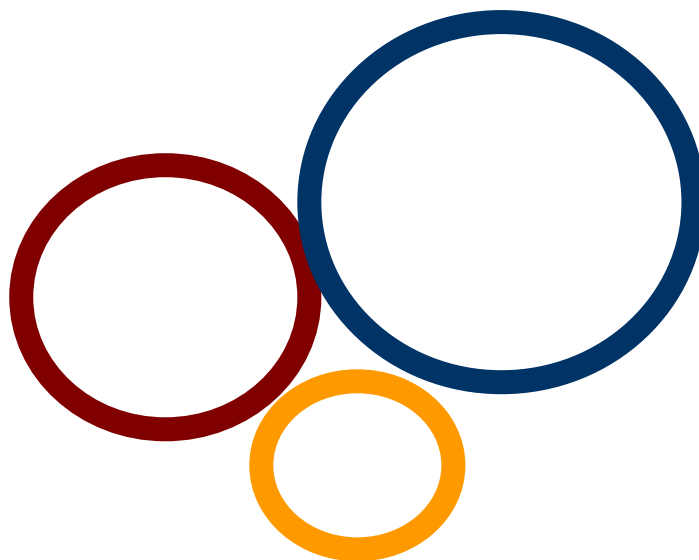## AS/A level Computer Science

Awarding Body
OCR

Who is the course for?

This course is suitable for students who have an interest in learning the theory of Computer Science and programming.

What can it lead to?

Computer Science at A Level can lead to a number of different higher education courses and apprenticeships.

What are the entry requirements?
Six GCSEs at Grades 9-5 including Maths and English Language.

A minimum of Grade 6 at Maths and a Grade 6 in Computer Science is desirable

What will I Study?

Programming in Java and Python; Databases; Data Representation; Computational Thinking; Computer Architecture; Boolean Algebra and Logic; Communications/Networking; Big Data.

How will I be taught?
Teaching will be in the form of whole class teaching and undertaking programming tasks. Regular homework will be set

How will I be assessed?

Exams 80%   Coursework 20%

AS
One computer based exam, 50% (1 hr 30 minutes); one written paper, 50% (1 hr 30 minutes)

A Level
One computer based exam, 40% (2 hrs 30 mins); one written paper, 50% (2 hr 30 mins)

What equipment or materials will I need?
Text book and access to a device to be able to carry out programming tasks.

Course Offer Conditions

Ideally have studied Computer Science at GCSE and achieved grade 6.