

GCSE COMPUTER SCIENCE



OCR GCSE COMPUTER SCIENCE

Why study this course?

- The GCSE in Computer Science course will give students a real in depth understanding of how computer technology works. It offers an insight into what goes on behind the scenes of computer programming which many students find absorbing.
- In addition this course develops a range of critical thinking skills, analysis and problem solving which can be transferred to further learning and to everyday life.

Units of study in Year 10 and Year 11

<u>Units</u>	<u>OCR Computing (J276)</u>	<u>Assessment Method for one 1 GCSE grade</u>
1	Computer Systems	1 hour 30 mins written examination 50%
2	Computational Thinking, algorithms and programming.	1 hour 30 mins written examination 50%

All students will be given the opportunity to undertake programming tasks during their course of study. This allows students to develop their skills to design, write, test and refine programs using a high-level programming language. (Python).

What do I need to be able to join the course?

- The course is open to students who we expect to achieve a minimum of a grade 6 in GCSE Maths. This is due to the technical requirements of computer programming.

How is the course assessed?

- Students will study two units. There are currently two examinations totalling 100% of the final grade. All examinations will take place in year 11.

What styles of teaching and learning will be used?

- A variety of teaching styles will be used to enable you to complete the units.
- You will be expected to work independently and as part of a team at times.
- You will research and learn about computing through possible visits, group work, outside speakers and internet research.

Pathways

- Students who study Computer Science at GCSE can go on to study ICT in the sixth form at Astley. Many have then gone on to successfully gain ICT places at university before embarking on their own careers.

For further information please contact Mrs Sykes: luscia.sykes@svf.org.uk