

Key Stage 3 COURSE

COMPUTING

FACULTY

ICT, COMPUTING AND MEDIA

STAFF CONTACT

Mr J. Flaxman

WHAT QUALITIES & SKILLS WILL BE DEVELOPED?

In Computing, you will develop practical skills with technology that will help you across all your subjects and in the wider world. You will learn a variety of different skills, including programming, photo editing, data handling and photo editing, as well as developing your problem-solving ability.

YEAR 7

The topics covered in year 7 will be:

Introductory Skills	E-Safety Websites	Logo Programming	Kodu Games Design
In this unit, you will learn the basic skills needed to be able to use computers effectively, both in school and in the wider world. These skills include using email correctly and making the best use of the school network	In this unit, you will study how to stay safe online. You will also learn about how websites are designed and use your newly gained knowledge to build your own website with animated graphics.	In this unit, you will begin to look at the fundamentals of computer programming. You will look at how graphics programmed and how we can use iteration to create interesting illustrations.	In this unit, you will further knowledge of computer programming by looking at how computer games are made. You will use Kodu to create your own multiplayer game.

YEAR 8

The topics covered in year 8 will be:

Spreadsheet Software	Image Editing	Micro:Bit Programming	Database Software
In this unit, you will look at how we can use spreadsheets for everything from managing a business to planning how to eat healthily. You will learn how to use formulas, charts and graphs which will help you in Science and Maths.	In this unit, you will study how we can use computers to manipulate images. You will learn about how the media industry creates images that are too good to be true. You will use your skills to create two products, a hybrid animal, and a magazine cover.	In this unit, you will use a micro-computer to program a variety of different devices. You will make a thermometer, compass, and some small handheld games. You will learn about the different devices and sensors a computer can have and how computers communicate.	In this unit, you will learn about how we use data to make sense of the world. You will learn the skills you need to find information quickly to answer questions and you will gain an understanding on how data can be stored and shared globally.



FREQUENTLY ASKED QUESTIONS

HOW MANY PERIODS PER FORTNIGHT WILL I STUDY THE SUBJECT?

In year 7 and 8 you will receive 2 periods of Computing per fortnight.

WILL THE CLASSES BE SET OR MIXED ABILITY?

Classes in Computing will be mixed.

HOW OFTEN WILL I RECEIVE HOMEWORK?

You will receive homework at least once a half term.

HOW OFTEN WILL I BE TESTED?

You will be assessed twice during a unit, once mid-way through and once at the end of the unit once you've had chance to improve on your mid-unit feedback.

WHAT EXTRA CURRICULAR OPPORTUNITIES WILL BE AVAILABLE TO ME?

There are a variety of different clubs available from film club, media club and games design.

DO I NEED A COMPUTER AT HOME?

No, but it can help. All your homework is set on paper however if you choose to continue to develop your Computing skills at home make sure you bring it in to show your Computing teacher.

WHAT IS THE PROGRESSION ROUTE FOR THE COURSE IN KS4?

In KS4 you will be able to choose from GCSE Computer Science, GCSE Media Studies, or OCR Cambridge Nationals in ICT. All three are optional and more than one can be chosen. GCSE Computer Science can count towards an EBACC option in your option blocks.

