



Year 7 starts off with how to be safe on-line, which will aid you throughout your time at Headlands, not only in year 7, but throughout your school career and even after you leave school.

We then go on to start to discover how computers work, along with getting familiar with the key skills needed to be computer literate, including using spreadsheets, saving and editing documents and plenty more. We will also begin to look at the foundational skills of programming, that will be developed on in years 8 and 9.

See the term by term breakdown for more information.

# Year 7

## Computer Science

### Term 3:

#### Productivity skills

You will learn about:

- Spreadsheets
- Using formula in spreadsheets to complete tasks

#### Introduction to programming

- Computer programming using scratch
- The key programming constructs: sequencing, variables, selection, and count-controlled iteration

### Term 1:

#### How to stay safe on-line

You will learn about:

- Avoiding viruses
- Using secure passwords
- Digital Footprint
- The effects of cyber bullying
- How computers work
- Hardware and software
- Binary



### Term 2:

#### Introduction to programming part 2

You will learn about:

- How to use the key programming constructs to produce code to complete tasks

#### Using Media to support a cause

You will learn about:

- Using various software packages to compose a project
- How to use different types of media to support a cause you are passionate about

