

# COMPUTING

Subject title	Computing
Setting arrangements	Tutor groups (mixed ability)
Time allowance each fortnight	2 x 1 hour

## Assessment and coursework

### **Types of assessment**

A combination of regular marking, observation, discussion and in class assessments is used. Students may also complete a range of tests on Yacapaca – an online assessment environment.

### **Timings of assessments**

Topics will last between 6-8 weeks and there will be an assessment at the end of each topic. There may also be a progress assessment at mid point of the topic.

## Topics covered during the course

Autumn Term -	The impact of technology on society ( <i>Legislation, ethics and moral issues</i> ) Advanced Spreadsheets
Spring Term-	Binary Lifting the lid ( <i>components inside a computer</i> )
Summer Term-	Programming II (Scratch)

## Skills developed during the course

- Knowledge and understanding of how to use algorithms.
- Develop understanding of the impact of their digital footprint and how to protect themselves online.
- To use Computer-based models and simulations to explore patterns and relationships and make predictions about the consequences of their decisions. They plan and test sequences of instructions.
- Students will develop and refine their work to enhance its quality, using a greater range and complexity of information.

## Home study

### **Expected time allocation for the subject**

Students work through homework topic booklets for a maximum of 20 minutes per week. The homework will support the learning in the classroom.

### **Help for home study**

All topics are covered on Sharepoint and contain presentations, activity worksheets, smart board presentations and links to websites.

## Additional support for the course

Help can also be found on Sharepoint

## **Websites**

[www.teach-Computing.com](http://www.teach-Computing.com)

[www.bbc.co.uk/webwise](http://www.bbc.co.uk/webwise)

## Other sources of help

Students can seek out Computing teachers at anytime to ask for support or help with topic areas that they are struggling with.

## Additional information about the course

Topics in this course will provide steps forward from year 7 assessments. Students will be expected to draw on previous knowledge and be able to relate to experiences outside of school.

A USB storage pen would be useful to transfer files between school and home.

Home access to a PC with Microsoft office is not required, computers will be available at homework club or during lunchtime.

Extra curricular:

Lunchtime coding club

Cyberfirst girls competition