

## YEAR 9

### COMPUTING

#### Curriculum Content

- Designing interactive storybooks
- Introduction to Programming
- Video editing
- Relational databases
- Internet security

#### Knowledge, skills and understanding

##### *Designing interactive storybooks*

Combining text, animation and sound to tell stories. Girls will plan interactive elements, gather resources and combine them to create a finished work.

##### *Introduction to Programming*

Building on the girls' experience in Scratch, we will introduce the techniques that computer scientists use to program computers to perform simple tasks.

##### *Video Editing*

Using video editing software and publishing tools to edit, construct and publish short movies.

##### *Relational Databases*

Building on previous Years' experience, girls will look at more complex database structures to solve problems for realistic organisations.

##### *Internet Security*

A look at topical issues of security, including tips and techniques to defeat hackers and keep information safe.

#### Assessment opportunities

Attainment is assessed throughout the Year by marking project work using criterion-based schemes, available to the girls in advance. Grades are available to girls online so that they can compare their progress against expected and exceptional targets.

An end of year theory examination is used to assess learning across the year.