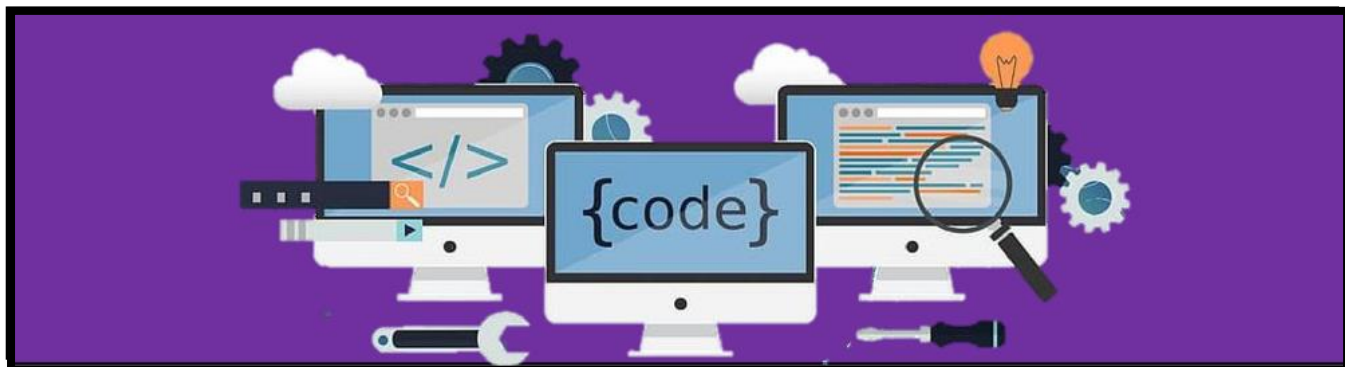




COMPUTER SCIENCE



at Bronte Girls' Academy



OUR VISION

Computers are now part of everyday life and, for most of us, technology is essential to our lives at home and at work. At Bronte our Computing Curriculum will equip pupils to use computational thinking and creativity to be ready for the workplace and to be able to participate effectively in the digital world. It will help them conceptualise and understand computer-based technology, making them more equipped to function in modern society.

Pupils will learn how computers and computer systems work; they will design and build programs as well as develop their ideas using technology. It will ensure that they are digitally literate and able to use, and express themselves, through information and communication technology.

TOPICS COVERED

	Term 1	Term 2	Term 3
Year 7	<ul style="list-style-type: none">• Computer Systems	<ul style="list-style-type: none">• BBC Micro:Bit	<ul style="list-style-type: none">• Python
Year 8	<ul style="list-style-type: none">• Multimedia Product	<ul style="list-style-type: none">• Algorithms and Small Basic	<ul style="list-style-type: none">• Blog
Year 9	<ul style="list-style-type: none">• Handling Data	<ul style="list-style-type: none">• Website Project	<ul style="list-style-type: none">• Data Bases

ASSESSMENT

- Weekly formative assessments.
- Half-termly assessments.
- Termly summative assessments.
- End of year assessment.

OUTSIDE OF THE CLASSROOM

Whilst attainment is key, we also want our pupils to engage with out of school opportunities, and to understand how the digital world works. This will include pupils visiting the Bradford Science and Media Museum where they will see the life of the internet and how it has advanced over time. Attending coding workshops will also provide pupils with a fantastic learning experience of early computers and coding. As well as participation in industrially recognised courses, our curriculum encourages the wider understanding of technology and the powerful techniques of analysis, modelling and solving problems, so our pupils are ready for the digital world!

USEFUL RESOURCES

