

COMPUTING

Pupil year: **Upper 4 (Yr 9)**

Head of Department: **Mrs L Burt**

SUBJECT OVERVIEW

Introduction to Apps

Learning Objective: On completion of this unit, students will have discussed their own use of Apps and learnt about the use of technologies within other cultures. The aim is to broaden their horizons about how Apps can be used in a variety of environments. Students will look at Case Studies of how Apps can be used in the workplace and for commercial benefit within a variety of industries.

History of Gaming

Learning Objective: On completion of this unit, students will have looked at how the Gaming Industry has developed over the last 60 years. They will study key developments in the Gaming Market, both in terms of actual games but also devices and consoles. Students will be able to identify significant advances within Gaming and confidently discuss areas such as graphics and interaction.

Binary and Algorithms

Learning Objective: On completion of this unit, students will have studied Algorithms, Binary and Hexadecimal in further depth.

Code Academy

Learning Objective: Using Code Academy students will work their way through a number of online tutorials. They will study programming languages such as HTML, JavaScript, Python, PHP and Ruby. Students can access this scheme of work from home and work through a variety of Extension Tasks.

Online Reputation

Learning Objective: Moving on from the basics of eSafety, students will study issues such as Safe Social Networking and Online Reputation. Using resources from the UK Safer Internet Centre, they will discuss a variety of issues that aim to ensure their Online Profile is both safe and secure.

Touch Typing

Learning Objective: Students will study an online Touch Typing Course. The aim of this is to be more effective with note taking throughout their studies in addition to be a skill that has been widely identified by industry as being key.

Careers in Tech

Learning Objective: Using Tech Future Careers, a website designed to encourage and inspire girls into Technology, we look at the opportunities available and the many, varied routes in. Guest speakers will come in to see our girls and discuss their roles and the paths they have travelled to reach their current positions.