Computing at Orchard Academy – YEAR 6

Autumn Term	**6.1 We are app planners** *The pupils learn about the capabilities of websites, think of a subject that a website could inform about or engage somebody with, and then pitch the idea for their website.* • Develop an awareness of the purposes of different types of websites • Understand geolocation, including GPS • Identify interesting, engaging content • Evaluate competing products • Pitch a proposal for a new website.	Programming Technology in our Lives
	Unit 6.2 - We are project managers *Pupils work collaboratively to develop a website. Pupils apply computational thinking to the task of managing a complex project.* • Scope a project to identify different components that must be successfully combined • Identify their existing talents and plan how they can develop further knowledge and skills • Identify the component tasks of a project and develop a timeline to track progress • Identify the resources they'll need to accomplish a project • Use web-based research skills to source tools, content and other resources • Consider strategies to ensure the quality of a collaborative project	Programming Technology in our Lives E-safety
Spring Term	**Unit 6.4 We are interface designers** *The children will start to design the look/feel of their website's main interface. They begin by sketching ideas, planning the different screen layouts for the pages and developing these using a site mapping tool.* • Work collaboratively to design the website's interface • Use site mapping tools to create a design prototype of their website • Develop or source the individual interface components (media assets) they will use • Address accessibility and inclusion issues • Document their design decisions and the process they've followed	Multimedia Technology in our lives ICT Skills
	Unit 6.3 We are market researchers *The pupils conduct research into the potential market for their website, using an online survey together with interviews or focus groups. They analyse the data and information they obtain and create a presentation summarising their findings.* • Create a set of good survey questions • Analyse the data obtained from a survey • Work collaboratively to plan questions • Conduct an interview or focus group • Analyse and interpret the information obtained from interviews or a focus group • Present their research findings	E-safety Technology in our lives ICT Skills
Summer Term	**Unit 6.5 We are mobile app developers** *In this unit, the pupils draw on their work from the previous Year 6 units to create a working app. They write down their algorithms and use a programming toolkit to code them.* • Become familiar with another programming toolkit or development platform • Import existing media assets to their project • Write down the algorithms for their app • Program, debug and refine the code for their website • Thoroughly test and evaluate their website	Programmers Multimedia Technology in our lives
	Unit 6.6 We are marketers *The pupils work collaboratively to produce marketing materials for the app they have been developing in the Year 6 units. They create a poster or flyer and shoot a short video.* • Consider key marketing messages, including identifying a unique selling point • Develop a printed flyer or brochure incorporating text and images • Further develop knowledge, skills and understanding in relation to creating a website • Further develop skills relating to shooting and editing video	Multimedia Data Handling Technology in our lives ICT Skills