

Computer Science Medium Term Planning **Year 6**

6.1 We are explorers Creating geotrails	6.2 We are fundraisers Charity fundraiser	6.3 We are game developers Creating an adventure game	6.4 We are environmentalists Modelling climate change	6.5 We are web developers Cyber safety research / media	6.6 We are HTML editors
<ul style="list-style-type: none"> • To develop further research skills involving digital maps and geographically located information • To develop further their abilities to take photographs, record audio, video and notes when on location • To develop technical skills using a geographic information system to add and edit content on a digital map • To consider their audience in creating a trail or tour for others to explore • To develop collaboration skills including reviewing others' work and contributing to a shared project <p>• www.bing.com/maps</p>	<ul style="list-style-type: none"> • To develop project planning and collaboration skills • To develop research skills, including simple surveys and interviews • To use ICT skills and techniques confidently and independently to develop a product or service • To use ICT skills confidently and independently to develop marketing materials • To develop spreadsheet skills to keep track of their project and analyse resources and costs <p>• Surveymonkey</p> <p>• Microsoft Excel</p>	<ul style="list-style-type: none"> • To develop an understanding of the construction of non-linear narrative • To develop skills in managing and manipulating images, audio and video • To develop an understanding of associating actions, including hyperlinks, with objects • To develop team work and project management skills through collaborative work • To develop sensitivity to their audience when constructing multimedia work • To develop understanding through testing and improvement <p>• Scratch</p>	<ul style="list-style-type: none"> • To develop strategies for exploring and experimenting with interactive computer simulations • To develop an understanding of the model underlying one or more computer simulations • To develop independent research skills, including questions of reliability and authority • To develop technical skills in recording narrated screencasts • To develop skills in discussing findings on video • To develop video editing skills <p>• Moviemaker</p> <p>• Freemind</p> <p>• MS word</p>	<ul style="list-style-type: none"> • To develop their research skills to decide what information is appropriate • To question the plausibility and quality of information • To write effectively in a style appropriate to their audience • To develop and refine their ideas and text collaboratively • To use and create other media appropriately and effectively • To develop their understanding of e-safety and responsible use of technology <p>• www.pbworks.com</p>	<ul style="list-style-type: none"> • Understand some technical aspects of how the internet makes the web possible. • Use HTML tags for elementary markup. • Use hyperlinks to connect ideas and resources. • Code up a simple webpage with useful content. • Understand some of the risks in using the web. <p>• X-Ray Goggles</p> <p>• Adobe Brackets</p> <p>• Notepad.</p>