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| OVERVIEW | <p>In Year 7 students will learn about how technology impacts society and how to safeguard themselves whilst using technology. Students also learn how to construct spreadsheets to model / forecast. This gives them the first learning blocks – data types and formulae which they will build on throughout their time in school. Students also start to learn how to code in a markup language to change elements on a webpage.</p> <p>Our aim is to make sure our students are ready to interact with the digital world, that (using our baseline assessment) we have adapted our curriculum to their prior learning. We also aim to educate students on how to differentiate between hardware devices and give them a taste of coding. HTML underpins their further learning when they study their first programming language – JavaScript – in Year 8.</p> | | |
| AUTUMN | <p>7.1 Impact of Technology 7.4 Digital Citizenship</p> <p>Students’ initial focus is on creating a better understanding of ways to use technology safely, respectfully, responsibly and securely, whilst learning how to deal with Cyberbullying which includes protecting their online identity and privacy.</p> | <p style="text-align: center;">Assessment</p> <p style="text-align: center;">Students will be assessed in January and June using Socrative. This platform will assess their cumulative learning to date.</p> | <p style="text-align: center;">Personal Development</p> <p>Students explore how developments in technology have changed our culture, particularly the rise in social networking sites and the ability to communicate instantly across National and International borders. Computing involves the breaking through of linguistic and cultural barriers. It is possible to e-mail or chat across the world and to word process in the mother tongue.</p> |
| SPRING | <p>7.2 Understanding Computers Students learn about the hardware and software components that make up computer systems, and how they communicate with one another and with other systems.</p> <p>7.3 Modelling Students learn about to manipulate data, perform calculations and make charts using spreadsheets.</p> | <p style="text-align: center;">Assessment</p> <p style="text-align: center;">Students will be assessed in January and June using Socrative. This platform will assess their cumulative learning to date.</p> | <p style="text-align: center;">Personal Development</p> <p>Computing gives students the opportunity to reflect on how computers can sometimes perform better in certain activities than people.</p> |
| SUMMER | <p>7.5 HTML 7.6 HTML / CSS</p> <p>Students conclude the year by learning how the Internet works and how to make websites using a mixture of HTML and CSS.</p> | <p style="text-align: center;">Assessment</p> <p style="text-align: center;">Students will be assessed in January and June using Socrative. This platform will assess their cumulative learning to date.</p> | <p style="text-align: center;">Personal Development</p> <p>As students learn to code, they are challenged to work in groups to find solutions whilst developing respect for the ideas and opinions of others in their team. Computing can also help all students to express themselves clearly and to communicate. As students progress, they will consider more complex social needs and are encouraged to research and work collaboratively to find appropriate solutions to issues that may affect groups within society.</p> |

Useful links

<https://www.youtube.com/watch?v=ExxFxD4OSZ0>

<https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1>

<https://www.youtube.com/watch?v=ShBTJrdioLo>

<https://www.w3schools.com/html/>