



Computing and E Safety - Long Term Curriculum Overview 2022 - 2023

| Subject area | Autumn Term A | Autumn Term B | Spring Term A | Spring Term B | Summer Term A | Summer Term B |
|--------------|--|---|---|---|---|---|
| F1 | <u>Operating IT Equipment</u> Learning how to operate simple technology. | <u>Playing with Technology and programmable toys</u> Demonstrating an interest in using and playing with technology | <u>Technology Uses</u> Recognising the uses for ICT equipment. | <u>Cause and Effect of ICT</u> Explaining the cause and effect of toys with technology. | <u>The Use of a Computer</u> Exploring that computers can be used to find out information. | <u>Technology at Home</u> Discussing the types of technology at home. |
| F2 | Computer discovery- Digital Literacy and Numeracy | Mouse/ Trackpad and Keyboard skills Digital Literacy and Numeracy | Early Digital Music Digital Literacy and Numeracy | Digital Photos and Video Digital Literacy and Numeracy | Digital Art and Design Digital Literacy and Numeracy | Early Programming Digital Literacy and Numeracy |
| | Sharing Pictures Online | | Smartie the Penguin | | Penguin Pig | |
| Year 1 | Introduce Programming | Mouse and Keyboard Skills | Text and Images | Uses of ICT | Digital Art | 3D Design |
| | Privacy and Security Understand what personal information is and why we keep personal information private | | Online Relationships Understand where to go for help and support when concerned | | Online Bullying Understand why it is important to respect people online | |
| Year 2 | Programming with Scratch Jr | Data Handling | Develop Programming | E-book Creation | Digital Art | Animation |
| | Self-Image, Identity and Online Reputation Understand the dangers of sharing photos online | | Managing Online Information Understand that we can't trust everything we find on the internet | | Digital Wellbeing Understand why it is important to be responsible on the internet | |
| Year 3 | Programming in Scratch | Document Editing and Creation | Programming in Kodu | Music Creation | Comic Creation | 3D Design |
| | Privacy and Security Understand why people pretend to be someone else online and why we only talk to people we know in the real world, when online | | Online Relationships Understand what to do if someone upsets you online and identify a range of ways to report concerns about content and contact | | Online Bullying Understand the importance of being kind in the real world and also online and know why and how people can be nasty online | |

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| Year 4 | Programming in Scratch | Data Handling | Coding with Lego WeDo | E-book Creation | Video Editing | Animation |
| | Self-Image, Identity and Online Reputation Understand the consequences of sharing photos/videos/information about yourself online | | Managing Online Information Understand why we should not always trust what we read online and how to check. | | Digital Wellbeing Understand how to enjoy video games responsibly, without becoming addicted, and know the importance of limiting screen time | |
| Year 5 | Programming in Scratch | App Design | Coding with Lego WeDo | Music Creation | Coding with Drones | 3D Design |
| | Privacy and Security Understand the term 'sharing online' and why we need to get permission to share photos and videos of other people | | Online Relationships Understand how, where and who can we report concerns we have to | | Online Bullying Understand how to respect and protect against online bullies | |
| Year 6 | Programming in Scratch | Data Detectives | Coding with Micro:bits | Web Design | Coding with HTML | Programming in Python |
| | Self-Image, Identity and Online Reputation Understand the term <i>digital footprint</i> | | Managing Online Information Understand how to check online content is trustworthy | | Digital Wellbeing Understand the pitfalls of in-app purchases | |