

Term/ Week	Topic	Year 7	Year 8	Year 9	Year 10	Year 11
1.1 (Autumn 1)	Topic for curriculum year.	<p>1.1 Earth and Space:</p> <p>In this topic children will be exploring the earth and space using technology. The topic is designed so children look at all the different aspects of space.</p> <p>Computing Curriculum Foci: IT, DL & CS</p> <p>S/W: Hopscotch app Astro App and MSQRD Audioboom app Book Creator or Pic collage</p>	<p>1.1 Pixel:</p> <p>In this unit children will look at computer graphics, create animated sprites and upload them on to a website.</p> <p>Computing Curriculum Foci: IT, DL & CS</p> <p>S/W: Pixel</p>	<p>1.1 E-Safety:</p> <p>Using technology safely, respectfully and responsibly. Protecting online identity and privacy</p> <p>Recognise inappropriate content, contact, conduct and know how to report it.</p> <p>Skills: Personal awareness of benefits and risks of using technology.</p> <p>Computing Curriculum Foci: IT</p> <p>S/W: iPads / Laptops, MS Office & internet to research.</p>	<p>Pearsons Functional Skills: ICT</p> <p>Learners will learn how to use the office software packages safely and manage emails.</p> <p>Learners will learn the risks associated with using email and how to manage/avoid these risks.</p> <p>Skills: Learners will complete word processing, modelling and DTP projects associated with building their knowledge and skills in using MS office packages to meet the needs of a given project.</p> <p>Learners will complete practice exams for Pearsons Functional Skills ICT.</p> <p>Learners will then complete their final exams for Pearsons Functional Skills ICT:</p> <p>EL1, EL2 and or EL3. (Depending on pupils current attainment)</p> <p>Computing Curriculum Foci: IT & DL</p> <p>2.1 eSafety Awareness Raising (Video & Class Discussion)</p> <p>2.2 Communicating On-line and images, Social Networking.</p> <p>2.3 Gaming and Collaboration.</p> <p>2.4 Cyberbullying & Report Abuse.</p> <p>2.5 Friend or Foe</p> <p>2.6 Copyright, what is it?</p> <p>2.7 Passwords & Security (Virus, downloads, pop ups and scams)</p> <p>3.2 Communicating On-line and images, Social Networking, Sexting, images and grooming (What are you sharing)</p> <p>3.8 In App Purchases & Mobiles (iPads, Phones etc)</p>	<p>Pearsons Functional Skills: ICT</p> <p>Learners will learn how to use email safely and manage email contacts.</p> <p>Learners will learn the risks associated with using email and how to manage/avoid these risks.</p> <p>Skills: Learners will complete word processing, modelling and DTP projects associated with building their knowledge and skills in using MS office packages to meet the needs of a given project.</p> <p>Learners will complete practice exams for Pearsons Functional Skills ICT.</p> <p>Learners will then complete their final exams for Pearsons Functional Skills ICT:</p> <p>EL1, EL2 and or EL3. (Depending on pupils current attainment)</p> <p>Computing Curriculum Foci: IT & DL</p> <p>2.1 eSafety Awareness Raising (Video & Class Discussion)</p> <p>2.2 Communicating On-line and images, Social Networking.</p> <p>2.3 Gaming and Collaboration.</p> <p>2.4 Cyberbullying & Report Abuse.</p> <p>2.5 Friend or Foe</p> <p>2.6 Copyright, what is it?</p> <p>2.7 Passwords & Security (Virus, downloads, pop ups and scams)</p> <p>3.2 Communicating On-line and images, Social Networking, Sexting, images and grooming (What are you sharing)</p> <p>3.8 In App Purchases & Mobiles (iPads, Phones etc)</p>
1.2 (Autumn 2)		<p>1.2 Young Authors:</p> <p>During this project, children will develop a story idea in small groups to create a storyboard. The children will then use Book Creator and Brushes to create their own eBook including text, illustrations and audio.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>S/W: Brushes app Paint Popplet app Book creator app MS Publisher or Comic Life</p>	<p>1.2 E-Safety:</p> <p>Learners will study key topics around the subject of E-Safety.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>No software required.</p>	<p>1.2 Creative Project:</p> <p>Combine a variety of software and hardware and devices to achieve given goals.</p> <p>Respect individuals and intellectual property.</p> <p>The world wide web and the opportunities it offers for communication and collaboration including collecting, analysing, evaluating and presenting data.</p> <p>Organise, store, manipulate and retrieve data in a range of digital formats.</p> <p>Skills: Presentation skills, Publisher skills</p> <p>Video creation and editing skills</p> <p>Data analysis.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>S/W: Microsoft Office suite iPads / Laptops Movie Maker/iMovie Digital camera</p>	<p>1.2 Creative Project:</p> <p>Combine a variety of software and hardware and devices to achieve given goals.</p> <p>Respect individuals and intellectual property.</p> <p>The world wide web and the opportunities it offers for communication and collaboration including collecting, analysing, evaluating and presenting data.</p> <p>Organise, store, manipulate and retrieve data in a range of digital formats.</p> <p>Skills: Presentation skills, Publisher skills</p> <p>Video creation and editing skills</p> <p>Data analysis.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>S/W: Microsoft Office suite iPads / Laptops Movie Maker/iMovie Digital camera</p>	<p>1.2 Creative Project:</p> <p>Combine a variety of software and hardware and devices to achieve given goals.</p> <p>Respect individuals and intellectual property.</p> <p>The world wide web and the opportunities it offers for communication and collaboration including collecting, analysing, evaluating and presenting data.</p> <p>Organise, store, manipulate and retrieve data in a range of digital formats.</p> <p>Skills: Presentation skills, Publisher skills</p> <p>Video creation and editing skills</p> <p>Data analysis.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>S/W: Microsoft Office suite iPads / Laptops Movie Maker/iMovie Digital camera</p>

<p>2.1 (Spring 1)</p>		<p>2.1 E-Safety: Children will study key topics around the subject of e-safety. See Digital and E-Safety elements below.</p> <p>Computing Curriculum Foci: IT</p> <p>No Software required.</p>	<p>2.1 Grand Designs:</p> <p>Over six sessions, children will be exploring drawings/illustrations representing both 2D and 3D worlds.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>S/W: Google Sketch-up Book creator app iPads/ Laptop Seesaw Brushes Toco Builder</p>	<p>2.1 Modelling: Spreadsheets</p> <p>Collecting, analysing, evaluating and presenting data and information.</p> <p>Working with variables and various forms of input and output.</p> <p>Skills: Spreadsheet modelling and analysis.</p> <p>Computing Curriculum Foci: IT & CS</p> <p>S/W: MS Excel (Laptops)</p>		
<p>2.2 (Spring 2)</p>		<p>2.2 Robotics:</p> <p>Children will use VEX software to design build and produce a simple program to control the basebots.</p> <p>Computing Curriculum Foci: DL & IT</p> <p>S/W: VEX software Modkit</p>	<p>2.2 Young Authors:</p> <p>During this project, children will develop a story idea in small groups to create a storyboard. The children will then use Book Creator and Brushes to create their own eBook including text, illustrations and audio.</p> <p>Computing Curriculum Foci: IT & DL</p> <p>S/W: Brushes app Paint Popplet app Book creator app MS Publisher or Comic Life.</p>	<p>2.2 Game Creation</p> <p>Design and write programs that accomplish specific goals.</p> <p>Use sequence, selection and repetition in programs. Work with variables and various forms of input and output.</p> <p>Detect and correct errors in algorithms and programs.</p> <p>Skills: Programming – creating sequences to achieve an identified outcome. Evaluation</p> <p>Computing Curriculum Foci: CS</p> <p>S/W: Scratch (Laptops)</p>		
<p>3.1 (Summer 1)</p>		<p>3.1 Grand Designs:</p> <p>Over six sessions, children will be exploring drawings/illustrations representing both 2D and 3D worlds.</p> <p>Computing Curriculum Foci: DL & IT</p> <p>S/W: Google Sketch-up Book creator app iPads Seesaw Brushes Toco Builder</p>	<p>3.1 Robotics:</p> <p>This will involve the children creating a clawbot and creating programs designed to instruct the robot to perform simple tasks.</p> <p>Computing Curriculum Foci: DL & IT</p> <p>S/W: VEX software Modkit</p>	<p>3.1 Photo story:</p> <p>Use sequence and selection in programs</p> <p>Organise, store, manipulate and retrieve data. Recognise common uses of information technology beyond school.</p> <p>Skills:</p> <ul style="list-style-type: none"> • Storyboards • Animation • Research <p>Computing Curriculum Foci: IT & DL</p>		

<p>3.2 (Summer 2)</p>	<p>Digital Citizenship & Technology (DL) eSafety</p>	<p>3.2 Scratch: My program In this unit children will look at basic programming using programming blocks. Children will use https://scratch.mit.edu/ (Scratch cloud: Type scratch in google) This can be accessed on ipads. Computing Curriculum Foci: CS & IT S/W: Scratch https://scratch.mit.edu/</p> <p>2.1 eSafety Awareness Raising (Video & Class Discussion) 2.2 Communicating On-line and images, Social Networking. 2.3 Gaming and Collaboration. 2.4 Cyberbullying & Report Abuse. 2.5 Friend or Foe 2.6 Copyright, what is it? 3.2 Communicating On-line and images, Social Networking, Sexting, images and grooming (What are you sharing)</p>	<p>3.2 E-Safety: Children will study key topics around the subject of e-safety. Computing Curriculum Foci: DL & IT No Software required.</p> <p>2.4 Cyberbullying & Report Abuse. 2.6 Copyright, what is it? 2.7 Passwords & Security (Virus, downloads, pop ups and scams) 3.2 Communicating On-line and images, Social Networking, Sexting, images and grooming (What are you sharing)</p>	<p>3.2 Robotics: In this unit pupils will use VEX software to build, create and program the Clawbot to perform tasks which will include light and sound. They will use problem solving skills to debug programs. Skills: Programming skills, Sequencing, Problem solving Computing Curriculum Foci: DL & IT S/W: VEX software (Modkit)</p> <p>3.1 eSafety Awareness Raising (Video & Class Discussion) 2.5 Friend or Foe. 2.7 Passwords & Security (Virus, downloads, pop ups and scams) 3.8 In App Purchases & Mobiles (iPads, Phones etc)</p>		
----------------------------------	---	---	---	---	--	--

Resources:

Year 7: Software resources identified above in planning

Year 8: Software resources identified above in planning

Year 9: Software resources identified above in planning

Year 10: Laptops / iPads (Internet Outlook, MS Office)

Year 11: Laptops / iPads (Internet Outlook, MS Office)

Useful subject links:

E-Safety and PSHE subject links.