

St John Vianney Catholic School

Long term Plan 2018/2019

Subject: Computing – ICT & E-Safety – Mrs Day

<u>Year Group</u>	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<u>One</u>	<p><i>Going Places Safely</i> <i>Cybersmart</i> – Zippep's Astro Circus (Online game)</p> <p><i>Childnet</i> – Digiduck e-book (resource /App for Ipads)</p> <p><i>Netsmartz</i> – Router's Birthday Surprise</p> <p><i>Netsmartz</i> – Clicky's Online Safety Rap (Video)</p> <p><i>Netsmartz</i> – Way 2 Go (Video)</p> <p><i>Netsmartz</i> – Delivery for webster (e-book)</p> <p><i>ChildNet</i> – Smartie the Penguin (Interactive resource)</p>	<p>Algorithm cards Help pupils to learn about putting instructions into order using these cards.</p> <p>Algorithm wall chart Create a display of algorithm definitions and examples in your classroom.</p> <p>Flow charts for instruction writing Use these blank templates for familiarising pupils with instruction writing and algorithms.</p> <p>Direction cards These cards help pupils to understand precise instructions before programming Roamers and Bee-Bots.</p>	<p><i>ABC Searching</i> <i>SWGfL</i> – Swiggle (search engine & resource site)</p> <p><i>Google</i> – Safesearchkids (Search engine for children)</p> <p><i>AVG</i> – Magda and Mo (e-book)</p> <p><i>Sending An Email</i> <i>CEOP</i> – Lee and Kim (Children learn that avatars are controlled by real people. Activities, videos, lessons plans, puppet masks.)</p> <p><i>Insafe</i> – Play & Learn – Being Online (Activity book)</p>	<p>Turtle planning In this activity, pupils learn simple programming and predict how a floor robot may move to make different shapes.</p> <p>Floor turtle Pupils programme control devices and predict their movements based on instructions.</p> <p>Moon challenge An activity and record sheet for pupils to map, record and predict the path of a control device.</p> <p>Pro-Bot floor turtle Detailed planning and activity documents for teaching pupils how to control a Pro-Bot floor turtle.</p>	<p><i>Keep it Private</i> <i>CEOP</i> – Hector's World (Cartoons teacher resources)</p> <p><i>Childnet</i> – The SMART crew (Cartoon on SMART rules)</p> <p><i>Childnet</i> – Smartie the Penguin (E-book and resources)</p> <p><i>ICO</i> – Personal information and information rights (Lesson plans and resources)</p>	<p>Robots Introduce students to robots and machines, how they function and how they are used in society.</p> <p>How a supermarket works A lesson plan and activity to explain to pupils how information is used in a supermarket.</p> <p>Mars Rover This video from BBC <i>Class Clips</i> shows how the Mars Rover uses information technology, remote control and wireless communication.</p> <p>Computers in agriculture Explore how computers are used to help farmers and how machines are used in agricultural processes.</p>

<p><u>Two</u></p>	<p>How do we stay safe online?</p> <p>Childnet - Digiduck e-book</p> <p>Disney - Don't be in the dark</p> <p>Online safe surfing game</p> <p>AVG - Magda & Mo Free E-book about information online</p> <p>Childnet - Adventures of Kara & Winston (Chapter 1, 2)</p> <p>Think you Know - Hectors World</p> <p>SID TV - Ask Before You Watch</p>	<p><u>Planning for floor robots</u></p> <p>Detailed termly-planning documents for using floor robots in your classroom.</p> <p><u>Bee-Bot planning sheet</u></p> <p>Instruction cards to help children to write instructions for programming Bee-Bots.</p> <p><u>Bee-Bot lesson plan</u></p> <p>Pupils direct a Bee-Bot across a grid to a set destination, learning simple programming and debugging skills.</p> <p><u>Can you draw a rectangle?</u></p> <p>A worksheet for pupils to write and record instructions for drawing a rectangle in Logo.</p>	<p>Say No to Meanies</p> <p>Cybersmart - Cyberbullying</p> <p>Teachers resources</p> <p>Kidscape - links to Cyberbullying resources</p> <p>UK Safer Internet Centre Safer Internet Day</p> <p>Childnet - Adventures of Kara and Winston (Chapter 4)</p> <p>CEOP - Welcome to the carnival Hector's World cartoon about personal information</p> <p>- Episode 5 Hero's</p> <p>- Episode 6 You are not Alone</p> <p>Childnet - Digiduck e-book</p>	<p><u>Minibeast database</u></p> <p>Gather data to make index cards for sorting minibeasts with this TESiboard activity.</p> <p><u>Finding information</u></p> <p>Termly-planning documents and activity materials for pupils to find, store and organise information.</p> <p><u>Yes/No diagrams</u></p> <p>A set of worksheets for pupils to practise using branching databases.</p> <p><u>Virtual class data cards</u></p> <p>Use these editable data cards for a variety of database and organisation activities.</p>	<p>Sites I use and like</p> <p>CEOP - Hector's World</p> <p>Cartoons and teacher resources</p> <p>Netsmartz - Delivery for webster - ebook</p> <p>Common Sense Media - Choosing a Search Site</p> <p>Lesson plans from a previous version of CSM Digital Literacy and Citizenship Curriculum</p> <p>AVG - Magda and Mo E-book about appropriate websites</p> <p>Childnet - Adventures of Kara & Winston Chapter 2</p> <p>What is reliable?</p>	<p>Presntational Skills</p> <p>Topic powerpoint</p>
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<p><u>Three</u></p>	<p>Power up your Password Buddie - Password Power Lesson plan's</p> <p>Microsoft - Password checker Password security checking tool</p> <p>Roboform - How secure is my password? Password strength checking tool</p> <p>Digizen - Perfect passwords Teaching resource and activities</p> <p>Google - Internet Legends - lesson plans and resources Protect your stuff</p>	<p><u>Algorithms</u> Exercises and a presentation to describe how algorithms work. <u>Human crane algorithm</u> Pupils create and test crane algorithms that move blocks from one bowl to another. <u>Jam sandwich algorithm</u> Use a simple programming language to write an algorithm to instruct Sandwichbot 2000 to create a sandwich. <u>Sorting algorithms</u> This teacher guide and activities for pupils cover sorting algorithms.</p>	<p>Online Communities UK Safer Internet Centre Safer Internet Day Google - Internet Legends - lesson plans and resources Think you Know - Cyber Café - resources and videos Lesson plan 3 - Communication and Information</p> <p>For Sale! Childnet - What is reliable? - SMART crew Google - Internet Legends - lesson plans and resources Check it's for Real Media Smart - Digital Adwise (Registration needed) Lesson plans, parents resources on websites and online advertising Google - Search Literacy - How search works</p>	<p>Presentation Skills Topic Powerpoint</p>	<p>Show Respect Online CEOP - Cyber-Cafe Thinkuknow resources exploring aspects of online communication</p> <p>UK Safer Internet Centre Safer Internet Day</p> <p>Google - Internet Legends - lesson plans and resources Respect Each Other</p> <p>Fishy Music - Check it Song</p>	<p>Drawing and Desktop Publishing</p>
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<p><u>Four</u></p>	<p>Who is responsible anyway? Childnet – Only a Game Drama resource on gaming</p> <p>Digizen – Digital Values Lesson plans and activity.</p> <p>CEOP – Cyber-Cafe Thinkuknow resources exploring aspects of online communication</p> <p>UK Safer Internet Centre Safer Internet Day</p> <p>Thinkuknow – Cyber Café – Lesson 5 Responsible use of the internet</p> <p>Google – Internet Legends – Lesson plan and resources Think Before you share</p>	<p><u>How the internet works</u> A short PowerPoint presentation showing how information is sent and received through the internet.</p> <p><u>Internet research: Fact or fiction</u> Discuss how the internet can be used for research and publishing information.</p> <p><u>Understanding the internet</u> Help pupils to gain an understanding of how the internet works.</p> <p><u>Blogging the classroom</u> A crib sheet for producing your own blog.</p>	<p>Private Information Childnet – Young People and Social Networking Sites Advice for teachers and parents.</p> <p>ICO – Personal information and information rights Lesson plans and resources</p> <p>Childnet – Adventures of Kara and Kim Chapter 3 What should you keep safe</p> <p>BBC – Horrible Histories – Guy Fawkes, Protect They Privacy Settings</p> <p>CEOP – Welcome to the carnival Hector's World cartoon about personal information – Episode 3 It's a serious game – Episode 4 Info Gang</p>	<p>Photo Stories</p>	<p>Words can hurt Childnet – Chapter 4 Who should you tell? Video Kara and Kim</p> <p>Child Net – Skills School – Video, Safety features explained</p> <p>Cybersmart – Cyberbullying Teachers resources</p> <p>Artisancam – Super action comic maker software to create a comic book</p> <p>BBC – CBBC – What is cyberbullying? BBC newsround series with video</p> <p>Kidscape – Cyberbullying Advice for young people</p> <p>DfE – Preventing and Tackling Bullying</p>	<p>Presentation Skills Topic Powerpoint</p>
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<p><u>Five</u></p>	<p>Strong Passwords Digizen - Perfect passwords Teacher's resource and activities</p> <p>Buddie - Password Power Lesson plan</p> <p>Microsoft - Password checker Password security checking tool</p> <p>Netsmartz - Password Rap Video</p> <p>Roboform - How secure is my password? Password strength checking tool</p>	<p><u>Searching the internet</u> Activity sheet and guide for pupils to use as part of an internet search task.</p> <p><u>Internet research</u> Information and questions on the internet, parts of a URL and the benefits of internet research.</p> <p><u>Finding out</u> This lesson from Hwb Welsh Government gives instruction and advice on how to use the internet to find and evaluate information.</p> <p><u>Internet searching task</u> A set of questions on web browsing and finding information on the internet.</p>	<p>Digital Citizenship UK Safer Internet Centre Safer Internet Day</p> <p>Thinkuknow - Cyber Café - Lesson 8 Behaving Responsibly</p> <p>Prize Winner BBC- Lady Jane Grey "beware what you download" Horrible histories video</p> <p>Netsmartz - Router's Birthday Surprise Teacher notes and video</p> <p>Media Smart - Digital Advise (Registration needed) Lesson plans, parents resources on websites and online advertising</p>	<p>Radio Station</p>	<p>Chit Chat Carefully</p> <p>Thinkuknow - Cyber Café - Lesson 6 Chatting with Care</p> <p>UK Safer Internet Centre Safer Internet Day</p> <p>Picture Perfect</p> <p>BBC - Saxon Monk - Internet Videos are Forever - Horrible Histories video</p> <p>SID TV - The Bigger Picture - Video from Safer Internet day</p>	<p>Presentation Skills Topic Powerpoint</p>
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<u>Six</u>	<p>Talking Safely Online CEOP - Cyber-Cafe Thinkuknow resources exploring aspects of online communication BBC - Prudish Victorian – What happens when you lie about your age online? Netsmartz – Revealing too much Lesson resources on sharing personal information BBC - Lonely Princess BBC Newsround special with Video “Caught in the Web” Get Safe Online – Safeguarding Children Information and resources for teachers and parents ICO – Personal information and information rights Lesson plans and resources</p>	<p><u>Web design</u> Pupils build a live web page based on their hobbies – looking at how a page is built, and what elements are needed for a successful site. <u>Movie trailers</u> A guide to creating movie trailers on iPads. <u>Introduction to HTML</u> This lesson from Codecademy provides an introduction to HTML, CSS, jQuery, and Javascript. <u>Introduction to databases</u> A set of activities and guides to introduce pupils to databases.</p>	<p>Super Digital Citizenship Cybersmart – Balancing Time Online Lesson resources BBC – CBBC Stay Safe Guidance, resources, videos and quiz Google – Google Safety Tips Security advice for parents and families Privacy Rules Childnet – Young People and Social Networking Sites Guide for parents / carers and teachers BBC – Keeping personal information safe online Video showing how much information there is on the web about us. Rather dated, but with good messages.</p>	<p>Presentation Skills Topic Powerpoint</p>	<p>Who is a Cyberbully? Cybersmart – Cyberbullying Teachers resources and lesson plans Kidscape – What is cyberbullying? Advice for families and children on cyberbullying DfE – Preventing and Tackling Bullying Advice for schools Thinkuknow – Cyber Café – Using Text & Picture Messaging Social Networking Thinkuknow – Cyber Café – Lesson 9 Social Network & Safe Profile UK Safer Internet Centre Safer Internet Day</p>	<p>Kodo Programming</p>
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Links take you to detailed planning and resources

