

## St Wilfrids Computing Scheme Overview 2021\_2022

	Information Technology			Computer Science		
Year Grp	Creating Media	Being Creative	Data Handling	Computing Systems & Networks	Programming A	Programming B + Controlling Physical Computing
R	Teaching Unit RA Modelling Scenes	Teaching Unit RB Exploring Photographs <b>Online Safety SOW</b>	Teaching Unit RC Pictograms	Teaching Unit RD My First Computer Simple Algorithms	Teaching Unit RE Simple Instructions Bee-Bots	Teaching Unit RF Exploring Technology Around Us
R/Y1	Teaching Unit R/1A Modelling Scenes	Teaching Unit 1B Creating Pictures	Teaching Unit R/1C Pictograms	Teaching Unit R/1D Journey Inside The Computer Hello Ruby	Teaching Unit R/1E Adventures in Coding Hello Ruby	Teaching Unit R/1F Creating Programs for Robots / Characters Introduce Loops
Y1	Teaching Unit 1A Creating Writing (NCCCE Year 1) <b>Online Safety SOW</b>	Teaching Unit 1B Creating Pictures (NCCCE Year 1) <b>Online Safety SOW</b>	Teaching Unit 1C Grouping Data (NCCCE Year 1)	Teaching Unit 1D (NCCCE Year 1) <b>Using Technology</b> Mouse and Keyboard Skills	Teaching Unit 1E Building Algorithms (Crazy Characters) (Moving Robots)	Teaching Unit 1F Introduction to Animation (NCCCE Year 1) <b>Online Safety SOW</b>
Y2	Teaching Unit 2A Photography (NCCCE Year 2) Designing Documents <b>Online Safety SOW</b>	Teaching Unit 2B Making Music (NCCCE Year 2)	Teaching Unit 2C Pictograms (NCCCE Year 2)	Teaching Unit 2D (NCCCE Year 2) Information Technology Computers in School IT in the Home / World <b>Online Safety SOW</b>	Teaching Unit 2E Robot Algorithms (NCCCE Y2) Bee Bots	Teaching Unit 2F (NCCCE Y2) Controlling Characters Introduction to Quizzes Scratch Junior
Y2/3	Teaching Unit 3A Designing Pages (STW Unit) <b>Online Safety SOW</b>	Teaching Unit 3B Emailing/2Blog (STW Unit)	Teaching Unit 2C Introducing Databases (STW Unit) Fruit and Aliens Class Database	Teaching Unit 23D What's a Computer? (STW Unit) Hardware and Software Inputs and Outputs	Teaching Unit 23E Algorithms (STW Unit) Scratch Junior	Teaching Unit 23F Introducing LOGO (STW Unit) Moving, Turning and Pen Colours, Mazes
Y3	Teaching Unit 3A Desktop Publishing (NCCCE Year 3) <b>Online Safety SOW</b>	Teaching Unit 3B Animation (NCCCE Year 3) Producing Digital Content	Teaching Unit 3C Branching Databases (NCCCE)	Teaching Unit 3D (NCCCE Year 3) Digital Devices and Networks (input, process, output)	Teaching Unit 3E Turtle Commands in LOGO Drawing 2D Shapes <b>Sequence and Repetition</b>	Teaching Unit 3F (NCCCE Year 3) Events and Actions <b>Controlling Characters Sequence and Repetition</b>

Y4	<b>Teaching Unit 4B</b> <b>(NCCE Year 4)</b> Photo Editing <b>Online Safety SOW</b>	<b>Teaching Unit 4A</b> <b>(NCCE Year 4)</b> <b>Audio Editing</b> Podcasts	<b>Teaching Unit 4C</b> <b>(STW )</b> Introducing Spreadsheets Codebreaker Lunch Boxes Gold Mine	<b>Teaching Unit 4D</b> <b>(NCCE Year 4 )</b> <b>The Internet</b>	<b>Teaching Unit 4E</b> <b>(NCCE Year 4)</b> Repetition in LOGO	<b>Teaching Unit 4F</b> <b>(NCCE Year 4)</b> Repetition in Scratch Shapes
Y45 (Y5)	<b>Teaching Unit 5A</b> <b>Vector Drawing</b> <b>(NCCE Year 5 – Oak)</b> <b>Online Safety SOW</b>	<b>Teaching Unit 5B</b> <b>Video Editing</b> <b>(NCCE Year 5 - Oak)</b>	<b>Teaching Unit 5C</b> <b>Flat-file Databases</b> <b>(NCCE Year 5 - Oak)</b>	<b>Teaching Unit 45D</b> <b>(STW Unit)</b> <b>Investigating</b> <b>Search Engines</b> <b>Online Safety SOW</b> The World Wide Web	<b>Teaching Unit 45E</b> <b>(NCCE Y5)</b> Quizzes in Scratch <b>Selection</b> Projects: Ghostbusters	<b>Teaching Unit 45F</b> <b>(STW Unit)</b> Controlling Devices Flowol
Y5/6	<b>Teaching Unit 5/6A</b> <b>Internet &amp; HTML</b> <b>(STW Unit)</b> Mozilla Thimble, Glitch Creating Posters using HTML	<b>Teaching Unit 5/6 B</b> <b>3D Modelling</b> <b>(NCCE Year 6)</b> <b>Online Safety SOW</b>	<b>Teaching Unit 56C</b> <b>(STW Unit)</b> <b>Data and Information</b> <b>(Digital Data, Binary,</b> <b>Pixels)</b>	<b>Teaching Unit 56D</b> <b>Sharing Information</b> <b>(NCCE Year 5)</b> Input, Process, Output Packet Switching Systems/Lockers	<b>Teaching Unit 56E</b> <b>(STW Unit)</b> <b>Creating Games</b> Scratch Times Tables Game Maze Type Game	<b>Teaching Unit 56F</b> <b>(NCCE Year 5)</b> <b>Physical Computing</b> Crumbles <b>Selection</b>
Y6	<b>Teaching Unit 6A</b> HTML - Trinkets Javascript - Bitsbox <b>Online Safety SOW</b>	<b>Teaching Unit 6B</b> <b>(Combine with 6D)</b> <b>Web Page Design</b> <b>(NCCE Year 6)</b> Google Sites <b>Online Safety SOW</b>	<b>Teaching Unit 6C</b> <b>Spreadsheets</b> <b>(NCCE Year 6)</b>	<b>Teaching Unit 6D</b> <b>(Combine with 6B)</b> Communication and Search Results Search Engines, Web Crawlers, Creating Web Pages, Page Ranking	<b>Teaching Unit 6E</b> <b>(NCCE Year 6)</b> Game Design (Scratch) Ping Pong <b>Variables</b> <b>Online Safety SOW</b>	<b>Teaching Unit 6F</b> <b>Physical Sensing</b> <b>(NCCE Year 6)</b> Physical Computing Microbits Crumbles

<b>Unit 1</b> <b>Autumn 1</b>	<b>Unit 2</b> <b>Autumn 2</b>	<b>Unit 3</b> <b>Spring 1</b>	<b>Unit 4</b> <b>Spring 2</b>	<b>Unit 5</b> <b>Summer 1</b>	<b>Unit 6</b> <b>Summer 2</b>
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