St Oswald's CE Primary School
Computing Curriculum Overview

Cycle A

Golden Threads	E-Safety and Digital Literacy		Computer Science		Information Technology	
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Year 1/2	**London's Burning** Online safety: *Understand about staying safe online (Thinkuknow with Jessie and friends)* Digital Writing:		**All Creatures Great and Small** Data Handling: *Collecting data of creatures and creating a tally chart, pictogram and/or block graph.*		**Meerkat Mail** Programming quizzes: Robot Algorithms (Beebots): *Programming Beebots to navigate maps*	
Year 3/4	**All Roads Lead To Rome** Online safety and multimedia: *Creating a PowerPoint to share school Online safety rules.* Digital Literacy: *Researching and writing a guide to Rome.* Computer science: *Coding using 'Hour of Code' games*		**Rainforests** Computer science: *Use 2Logo to draw shapes and debug code.* Digital Literacy: *Research a rainforest animal for a non-chronological report* Online safety: *Online presence/ being responsible and respectful online.* Data handling: *Create a spreadsheet and graphs about climates around the world using BBC weather and Excel.*		**Totally Transformed** Visual media (+ some Music and Sound): *Using and modifying digital images to show change over time* Online safety: *To understand the purpose of copyright regulations (when using digital images).* Computer science: *Designing and evaluating our own games.*	
Year 5/6	**Where It All Began** Online safety: *Online safety regarding safety online, cyberbullying and social media* Coding: *Code.org coding learning courses.* Systems and Searching: *How computers work in school, the power of the internet and searching the web.*		**Extreme Earth** Computer Science: *Using Scratch to design a game.*	**Walk Like An Egyptian** Variables in games: *Exploring variables when designing and coding a game.*	**Greece Is The Word** Flat File Databases: *Using a database to order data and create charts to answer questions.*	**Our Digital World** Multimedia Project: *Designing and creating webpages, giving consideration to copyright, aesthetics, and navigation.*

Curriculum Overview

Cycle B

Golden Threads	E-Safety and Digital Literacy		Computer Science		Information Technology	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1/2	**The World and I** Online safety: *Understand about staying safe online (Hector's World)* Digital Art: *To create a piece of music and sound effects based on the weather.*		**Explorers** Visual Media: *To create an animation about dinosaurs.* Digital Music: *To research different dinosaurs*		**The Secret Garden** Digital Animation/Digital Photography	
Year 3/4	**Vikings** Online safety: *School's Online safety rules* Visual media: *Create a short film/animation from images we have created* Digital Literacy: *Researching Vikings* Computer science: *Basics of coding*		**Let's Go Eco** Online safety: *To understand that not everything online is accurate or reliable* Data handling: *Create our own branching databases* Computer science: *Focus: Develop coding knowledge by using complex commands (including angles/distances) in a new program*		**Incredible Journeys** Online safety: *Online presence/ being responsible and respectful online.* Music and Sound: *To create our own podcast* Computer science: *Designing and evaluating their own games.*	
Year 5/6	**Building Britain: 1837 - 1945** Online safety: *Online safety regarding safety online, cyberbullying and social media. Our digital footprint posters. Word processing skills using Google Docs and Google Slides.* Computer Science: *Coding using Rapid Router* Communication and collaboration: *Identifying and exploring how data is transferred and information is shared online.*		**Chocolate** Sensing: *Designing and coding a project that captures inputs from a physical device.*	**Me, Myself and I** Selection In Quizzes: *Exploring variables when designing and coding a game.*	**Royals** Computer Science and Data Handling: *Data handling using Google Sheets.*	**I'm A Survivor** Multimedia Project: *Creating a movie about a new creature using video software.*

"Science and everyday life cannot and should not be separated." Rosalind Franklin