

Computing Curriculum Map

E-safety is to be discussed in every lesson- especially when using the computers. All classes to celebrate Safer Internet Day 7th February 2023

Computing systems and networks

creating media

programming

Data and information

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year R/1 A		<u>Basic Skills</u>	<u>Digital Painting</u>	<u>Technology around us</u>	<u>Exploring hardware</u>	<u>Moving a robot</u>	<u>Using a computer</u>
Year R/1 B		All about instructions	Digital writing	Introduction to Data	Grouping Data	Programming Bee-bots	Programming animations
Year 1/2 A		<u>Using a computer</u>	<u>Digital Painting</u>	<u>Digital photography</u>	<u>Grouping Data</u>	<u>Moving a Robot</u>	<u>Programming animations</u>
Year 1/2 B		IT around us	Digital Writing	Digital music	Pictograms	Robot algorithms	Programming Quizzes
Year 2/3 A		<u>Basic Skills 2022</u> Connecting computers	<u>Digital Photography</u>	<u>How do you create a stop-frame animation?</u>	<u>How do we use branching databases?</u>	<u>Robot algorithms</u>	<u>Programming Quizzes</u>
Year 2/3 B		IT around us	Digital Music	How are text and images used in publishing?	Pictograms	<u>Can we use coding to sequence sounds?</u>	How can events and actions be used in sequencing?
Year 3/4 A		<u>Basic Skills 2022</u> Connecting Computers	<u>How do you create a stop-frame animation?</u>	<u>What are input and output devices?</u>	<u>How do we use branching databases?</u>	<u>Can we use coding to sequence sounds?</u>	<u>How can events and actions be used in sequencing?</u>
Year 3/4 B		The internet	How are text and images used in publishing?	Can photos be changed and edited?	How and why is data collected over time?	How do we use looping and repetition when creating a program?	How is repetition used in games?
Year 4/5 A		Systems and searching	What are input and output devices?	How can short videos be created?	How can a flat-file database be used to organise data?	How do we use looping and repetition when creating a program?	How is repetition used in games?
Year 4/5 B		The internet	Can photos be changed and edited?	What drawing tools can be used to create vector drawings?	How and why is data collected over time?	What is physical computing and how is it used?	How do conditions affect the outcomes?
Year 5/6 A		Communication and collaboration	How can short videos be created?	How are websites created?	How are spreadsheets used to format data?	What is physical computing and how is it used?	How do conditions affect the outcomes?
Year 5/6 B		Systems and searching	What drawing tool can be used to create vector drawings?	How are 3D models made and used?	How can a flat-file database be used to organise data?	What are variables and how do they effect games?	What is a micro:bit and how is it used?
Year 5 22-23		Basic Skills	<u>Can photos be changed and edited?</u>	<u>How can short videos be created?</u>	<u>How are spreadsheets used to format data?</u>	<u>How do we use looping and repetition when creating a program?</u>	<u>How is repetition used in games?</u>
Year 6 22-23		<u>Basic Skills</u>	<u>Can photos be changed and edited?</u>	<u>How can short videos be created?</u>	<u>How are spreadsheets used to format data?</u>	<u>How is repetition used in games?</u>	<u>What are variables and how do they effect games?</u>