

Willow Park School - Long Term Plan – Computing - Rivelin (KS2)



Cycle / Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Below insert either the year group or the cycle	<u>Digital Literacy</u>	<u>Information Technology</u>	<u>Computing</u>	<u>Digital Literacy</u>	<u>Computing</u>	<u>Information Technology</u>
1 2023 - 2024	Web Page Creation <ul style="list-style-type: none"> Exploring Websites Media used in Websites HTML Common features of a Website Effective Website Design Fair use and Copyright Navigation around a Website Hyperlinks/Hotspots 	Desktop Publishing <ul style="list-style-type: none"> How text and Images convey information Difference between text and images Importance of clear communication Page orientation Different layouts for different purposes Benefits of desktop publishing 	What's Inside a Computer <ul style="list-style-type: none"> Components of a Computer RAM & ROM Input Devices Output Devices Wired vs Wireless Networks & Protocols Internet 	Animations <ul style="list-style-type: none"> What is an animation Types of Animation Storyboards Flipbook Keyframes Onion Skinning Frame Rate Cloning Fitness for Purpose 	Botley Programming Unit <ul style="list-style-type: none"> What is an Algorithm? Sequencing Creating Loops Programming a Robot Solving Problems Fixing any bugs Following Instructions Understanding Commands 	Digital Photography <ul style="list-style-type: none"> Devices for taking Photographs Process of taking a good photograph What makes a good photograph Improving a Photograph Tools to edit an image Real or Fake
	2 2024 - 2025	Online Safety Unit <ul style="list-style-type: none"> Online reputation Right to privacy Data protection Fake news Illegal content Right to access Big data 	PowerPoint Presentations <ul style="list-style-type: none"> Master Slide Transitions Animations Custom Animations Triggers Hyperlinks Timings 	Programming Basics using Kodable <ul style="list-style-type: none"> Mechanics of Kodable Sequencing Conditional Statements Debugging Creativity Functions Coding Language 	Healthy Lifestyles (spreadsheet basics) <ul style="list-style-type: none"> What is a spreadsheet? Rows and Columns Cells Formula Drop Down List Collecting Data Tables and Charts 	Top Trump Cards <ul style="list-style-type: none"> Creating Templates What makes a good picture? Editing Images Using the correct style and size font Front and back design Evaluation



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<p style="text-align: center; font-size: 2em; font-weight: bold;">3</p> <p style="text-align: center;">2025 - 2026</p>	<p style="text-align: center; font-weight: bold;">Different Types of Media</p>	<p style="text-align: center; font-weight: bold;">3D Modelling</p>	<p style="text-align: center; font-weight: bold;">Scratch Quizzes</p>	<p style="text-align: center; font-weight: bold;">Computer Systems and Networks – The Internet</p>	<p style="text-align: center; font-weight: bold;">Video Editing</p>	<p style="text-align: center; font-weight: bold;">Programming Animations</p>
	<ul style="list-style-type: none"> • What is Media • Types of media • Text • Video • Music • Photography • Animation 	<ul style="list-style-type: none"> • Working with and viewing shapes in three dimensions • Adding, resizing, and moving (including lifting and lowering) 3D shapes • Rotating 3D shapes • Combining 3D shapes • Grouping and ungrouping objects 	<ul style="list-style-type: none"> • Conditions in a Program • Sequence of commands has an outcome • Loops • Flow Chart • Program containing “If, Then, Else” • Testing a Program 	<ul style="list-style-type: none"> • Connecting Networks • What is the Internet made of? • Sharing Information • What is a Website? • Who owns the Web? • Can you believe what you read? 	<ul style="list-style-type: none"> • What is video • Filming Techniques • Using a Storyboard • Planning a video • Importing and editing videos. • Video Evaluation 	<ul style="list-style-type: none"> • Task – what is needed • Design – what it should do • Code – how it is done • Running the code – what it does • Testing and De-Bugging