



Willow Park School - Long Term Plan – Computing – Sheaf (KS4)

Cycle / Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Below insert either the year group or the cycle	<u>ICDL</u> <u>Presentation Unit</u>		<u>ICDL</u> <u>Word Processing Unit</u>		<u>ICDL</u> <u>Computer Essentials Unit</u>	
1 2023 - 2024	Presentation		Word Processing		Computer Essentials	
	<ul style="list-style-type: none"> Using the Application Developing a Presentation Text Prepare Outputs Charts Graphical Objects 		<ul style="list-style-type: none"> Using the Application Document Creation Formatting Objects Mail Merge Prepare Outputs 		<ul style="list-style-type: none"> Computers and Devices Desktop Icons Settings Outputs File Management Networks Security and Well-Being 	
2 2024 - 2025	AQA - Exploring the history of video gaming		AQA - creating a multimedia presentation using PowerPoint		AQA - Storyboarding and planning	AQA - Creating a stop-motion animation
	<ul style="list-style-type: none"> Gaming Consoles through Time Reviewing a Game Popular Games through Time Features of video games Video game play 		<ul style="list-style-type: none"> Opening the program PowerPoint Use of a Design Template Adding Text Importing Graphics Animation Transitions Set up of Slideshow Print out of Slides 		<ul style="list-style-type: none"> Creating a Storyboard Using frames Camera angles Components of a Storyboard Animation Storyboard Scenario 	<ul style="list-style-type: none"> Forms of Animation Key steps in making a Stop-Motion Animation Create a Storyboard Create a suitable set Create the characters for the animation Take a set of images to make the animation Edit all elements into an animation/film Add a relevant soundtrack



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			<ul style="list-style-type: none"> • Use of Animation Software • Use of suitable equipment to create a set design • Use of suitable equipment for filming.
<p style="text-align: center; font-size: 2em; font-weight: bold;">3</p> <p style="text-align: center;">2025 - 2026</p>	AQA- Starting up and basic coding of a vex robotics robot Graphics Unit	AQA - Identifying the parts and functions of a computer	AQA - Digital skills: being safe and legal online
	<ul style="list-style-type: none"> • Using VEX Robotics Coding Software • Coding the VEX Robotics to complete at least two tasks • Writing code for a VEX Robotics robot to move forward • Writing code for a VEX Robotics robot to turn • Writing code for a VEX Robotics robot using a sensor • Turning on and off the VEX Robot • Sending code from a PC to the Robot using Bluetooth or WI-FI 	<ul style="list-style-type: none"> • Identify the four main external parts of a computer, ie monitor, base unit, keyboard, mouse. • Identify the five main internal parts of a computer, ie hard drive, motherboard, RAM, power supply unit, CPU • Know the function of the five internal parts of a computer • Can carry out a basic examination of a Computer • Watched a demonstration on the functions of internal and external computer parts • Understand how a Computer functions holistically 	<ul style="list-style-type: none"> • Understand the damage that can be caused by computer viruses and give an example of at least one type of security software that can be used to prevent this damage from occurring. • Understand how online activity can produce a permanent record known as a 'digital footprint' that could be accessed by others to use both now and in the future. • Understand at least one way that others can capture and use personal data, and how to use privacy settings to prevent this from occurring. • Understand the importance of not clicking on suspicious links online. • Understand how to apply privacy settings on at least one social media platform to ensure only friends can see posts and shared content. • Understand the importance of not sharing other people's data and content online without their consent • Know the importance of ensuring posts on social media are not offensive or inappropriate. • Can create a password with at least eight characters, using lower- and upper-case letters, numbers and symbols; and keep it confidential. • Can set automatic updates in the settings menu for the computer operating system and apply anti-virus security software.

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			<ul style="list-style-type: none">• Can recognise a secure website by looking for the padlock symbol and a reference to https in the address bar.• Can activate pop-up blockers on a web browser to reduce the threat from malicious sites.• Can identify the main risks and threats involved in carrying out activities online and the importance of working securely.
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