



Computing Overview 2024-25

	Autumn		Spring		Summer	
	1	2	1	2	1	2
NURSERY 3	<ul style="list-style-type: none"> Playing with toys that have switches, flaps or buttons 	<ul style="list-style-type: none"> Learning how to use basic apps on an iPad 	<ul style="list-style-type: none"> Following instructions to complete activities 	<ul style="list-style-type: none"> As Spring 1 Using simple directional language to control robots 	<ul style="list-style-type: none"> Recognising technology devices around them and what they do. 	<ul style="list-style-type: none"> Using digital cameras to take pictures of objects, people and themselves.
RECEPTION	Digital Literacy <ul style="list-style-type: none"> Following Instructions to complete activities. 	Digital Citizenship / Digital Literacy <ul style="list-style-type: none"> As Autumn 1 and logging in Recognise online/offline and know how to ask for help when using the internet. 	Digital Literacy <ul style="list-style-type: none"> Logging in Mouse and Keyboard skills Following instructions to use different software. 	Computer Science / Digital Literacy <ul style="list-style-type: none"> As Spring 1 Using simple directional language to control robots Recognise technology around us. 	Information Technology <ul style="list-style-type: none"> Name the parts of a computer / tablet Know the jobs of computer parts. Name my work so others know it is mine. 	Digital Literacy <ul style="list-style-type: none"> Logging in Mouse and Keyboard skills Apply learning to use different software.
YEAR 1	Digital Citizenship Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about online technologies.	Digital Literacy <ul style="list-style-type: none"> Word processing Pictograms 	Computer Science <ul style="list-style-type: none"> What is an algorithm? Develop directional language Co-create directional algorithms 	Computer Science <ul style="list-style-type: none"> Create directional algorithms Debug simple algorithms Record / explain algorithms 	Information Technology <ul style="list-style-type: none"> Who was Jack Kilby and Robert Noyce? How did the microchip change our lives? Using the Internet Word processing 	Digital Literacy <ul style="list-style-type: none"> Word processing Using digital cameras Exploring sound and music.
YEAR 2	Digital Citizenship Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about online technologies.	Digital Literacy <ul style="list-style-type: none"> Word processing Introduction to presentation software Branching database 	Computer Science <ul style="list-style-type: none"> What is a program and event? Create and debug algorithms Co-create programs with different events. 	Computer Science <ul style="list-style-type: none"> Create programs Start programs with different events Predict outcome of simple programs record / explain programs 	Information Technology <ul style="list-style-type: none"> Who is Tim Berners Lee? What is the WWW? How do computers communicate with each other. Using the internet Word processing 	Digital Literacy <ul style="list-style-type: none"> Word processing and presentations Digital communication Video creation and editing
YEAR 3	Digital Citizenship Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Digital Literacy <ul style="list-style-type: none"> Word processing Branching database Musical composition 	Computer Science <ul style="list-style-type: none"> What is a sequence? Co-create programs with sequenced events Co-debug errors in sequences Predict outcome of sequenced events 	Computer Science <ul style="list-style-type: none"> Create programs with sequenced instructions Debug errors in sequences Predict how changing sequence may impact a program 	Information Technology <ul style="list-style-type: none"> Who was Ada Lovelace and Charles Babbage? How to use the search engines to find information. Using folders Word processing 	Digital Literacy <ul style="list-style-type: none"> Word processing Capturing, creating and editing pictures. Multimedia presentation
YEAR 4	Digital Citizenship Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Digital Literacy <ul style="list-style-type: none"> Word processing Spreadsheets Data Loggers and graphing 	Computer Science <ul style="list-style-type: none"> Create programs with sequenced instructions Debug errors in sequences Begin to use repeats / loops in a program 	Computer Science <ul style="list-style-type: none"> What is a loop / repeat? Create programs with sequenced instructions including loops / repeats. Debug errors in loops / repeats. 	Information Technology <ul style="list-style-type: none"> How Hedy Lamarr and Radia Perlman developed technology? Understanding how search engines find information. Using search engines to find information efficiently 	Digital Literacy <ul style="list-style-type: none"> Word processing Animations Video editing
YEAR 5	Digital Citizenship Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Digital Literacy <ul style="list-style-type: none"> Word processing Databases and graphing Evaluating websites 	Computer Science <ul style="list-style-type: none"> Create programs with sequenced instructions including loops / repeats. Begin to use conditional "if" statements in programs to run selected instructions. 	Computer Science <ul style="list-style-type: none"> What is a conditional / selection? Create working programs with conditional "if" statements in own programs for peers. Debug errors in conditional / selections 	Information Technology <ul style="list-style-type: none"> How Grace Hopper, Bill Gates and Steve Wozniak developed technology? Understanding the internal parts of a computer and their functions Using search engines to find fact checked information. 	Digital Literacy <ul style="list-style-type: none"> Word processing Computer Aided Design (CAD)
YEAR 6	Digital Citizenship Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Digital Literacy <ul style="list-style-type: none"> Word processing Presentation Editing to suit audience 	Computer Science <ul style="list-style-type: none"> Create working programs with conditional "if" statements in own programs. Begin to use variables in my own programs. Debug errors in own code. 	Computer Science <ul style="list-style-type: none"> What is a variable? Create working programs which include variables for others to use. Debug errors in own code including variables. 	Information Technology <ul style="list-style-type: none"> How Alan Turing and Elon Musk developed technology? Using search engines to find fact checked information effectively. Evaluating websites 	Digital Literacy <ul style="list-style-type: none"> Word processing Video creation, editing and presentation.