Computing Overview 2025-26

	Autumn		Spring		Summer	
	1	2	1	2	1	2
NURSERY 3	• Playing with toys that have switches, flaps or buttons	• Learning how to use basic apps on an iPad	• Following instructions to complete activities	• As Spring 1 • Using simple directional language to control robots	• Recognising technology devices around them and what they do.	• Using digital cameras to take pictures of objects, people and themselves.
RECEPTION	**Digital Literacy** • Following Instructions to complete activities.	**Digital Citizenship / Digital Literacy** • As Autumn 1 and logging in • Recognise online/offline and know how to ask for help when using the internet.	**Digital Literacy** • Logging in • Mouse and Keyboard skills • Following Instructions to use different software.	**Computer Science / Digital Literacy** • As Spring 1 • Using simple directional language to control robots • Recognise technology around us.	**Information Technology** • Name the parts of a computer / tablet • Know the jobs of computer parts. • Name my work so others know it is mine.	**Digital Literacy** • 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** • Word processing • Pictograms	**Computer Science** • What is an algorithm? • Develop directional language • Co-create directional algorithms	**Computer Science** • Create directional algorithms • Debug simple algorithms • Record / explain algorithms	**Information Technology** • Who was Jack Kilby and Robert Noyce? • How did the microchip change our lives? • Using the Internet • Word processing	**Digital Literacy** • 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** • Word processing Introduction to presentation software • Branching database	**Computer Science** • What is a program and event? Create and debug algorithms • Co-create programs with different events.	**Computer Science** • Create programs • Start programs with different events • Predict outcome of simple programs • record / explain programs	**Information Technology** • Who is Tim Berners Lee? What is the WWW? • How do computers communicate with each other. • Using the internet • Word processing	**Digital Literacy** • 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** • Word processing • Branching database • Musical composition	**Computer Science** • What is a sequence? • Co-create programs with sequenced events • Co-debug errors in sequences • Predict outcome of sequenced events	**Computer Science** • Create programs with sequenced instructions • Debug errors in sequences • Predict how changing sequence may impact a program	**Information Technology** • Who was Ada Lovelace and Charles Babbage? • How to use the search engines to find information. • Using folders • Word processing	**Digital Literacy** • 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** • Word processing Spreadsheets • Data Loggers and graphing	**Computer Science** • Create programs with sequenced instructions • Debug errors in sequences • Begin to use repeats / loops in a program	**Computer Science** • What is a loop / repeat? • Create programs with sequenced instructions including loops / repeats. • Debug errors in loops / repeats.	**Information Technology** • How Hedy Lamar developed technology? • Understanding how search engines find information. • Using search engines to find information efficiently	**Digital Literacy** • 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** • Word processing Databases and graphing Evaluating websites	**Computer Science** • Create programs with sequenced instructions including loops / repeats. • Begin to use conditional "if" statements in programs to run selected instructions.	**Computer Science** • What is a conditional / selection? • Create working programs with conditional "if" statements in own programs for peers. • Debug errors in conditional / selections	**Information Technology** • How Grace Hopper developed technology? • Understanding the internal parts of a computer and their functions • Using search engines to find fact checked information.	**Digital Literacy** • 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** • Word processing Presentation • Editing to suit audience	**Computer Science** • 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** • What is a variable? • Create working programs which include variables for others to use. • Debug errors in own code including variables.	**Information Technology** • How Alan Turing developed technology? • Using search engines to find fact checked information effectively. • Evaluating websites	**Digital Literacy** • Word processing • Video creation, editing and presentation.