

COMPUTER SCIENCE Year 9

YEAR 9	LINKS	LEARNING PATH 1 LP1	LEARNING PATH 2 LP2
St 1	Link 1	Can use the print statement to combine text and the content of variables in output to the screen, to provide meaningful messages to the user	Can use the print statement to combine text and the content of variables in output to the screen
St 2	Link 2	Can construct an input statement from text and variables to get text or numerical (using int and float) input from the user	Can write an input statement to get text or numerical (using int and float) input from the user
St 3	Link 3	Can use IF statements with elif clauses and a default action (else)	Can use IF statements with ELIF clauses
St 4	Link 4	Can use FOR loops including using the counting variable in the loop processing and specific start, stop and step values	Can use FOR loops including using the counting variable in the loop processing
St 5	Link 5	Independently builds a multi-page website using well-structured HTML and CSS, demonstrating effective navigation and layout	Creates a functioning multi-page website with appropriate HTML tags and a basic navigation structure
ST 6	Link 6	Applies a consistent and professional house style using CSS, ensuring branding is reflected in colours, fonts, and layout across all pages	Designs and applies a house style using CSS to control colours, fonts, and layout, showing some consistency across the website
St 7	Link 7	Uses a wide range of Blender tools efficiently to model complex and detailed 3D objects with precision	Selects and uses appropriate tools to create moderately complex 3D models with some accuracy
St 8	Link 8	Applies advanced materials and realistic lighting setups to enhance the appearance and atmosphere of 3D scenes	Uses standard materials and basic lighting to improve the look of 3D models
St 9	Link 9	Creates fluid, purposeful animations using keyframes and graph editor/tweening tools for refined motion	Uses tweening to produce smooth and appropriate animations with keyframe transitions
St 10	Link 10	Designs and develops a well-structured application fully tailored to a client's needs, including thoughtful interface and user experience considerations	Creates an application that addresses most of a client's needs, with a clear attempt to design features and layout around the brief



“THE COST OF BEING WRONG IS LESS THAN THE COST OF DOING NOTHING”



COMPUTING Year 9

YEAR 9		LEARNING PATH 3 LP3	LEARNING PATH 4 LP4
St 1	Link 1	Can use the print statement to output basic text to the screen and/or the contents of a variable	Can use the print statement to output basic text to the screen
St 2	Link 2	Can write a basic input statement to get text and numerical input (using int) from the user	Can write a basic input statement to get text input from the user
St 3	Link 3	Can use IF statements with ELIF clauses	Can use IF statements with ELIF clauses
St 4	Link 4	Can use FOR loops including using the counting variable in the loop processing	Can use basic FOR loops to repeat lines of code a fixed number of times
St 5	Link 5	Produces a basic webpage using common HTML tags with some support, including headings, paragraphs, and links	With guidance, creates a single HTML page with minimal structure using a small selection of basic tags
ST 6	Link 6	Demonstrates an attempt at a house style by manually repeating colours or fonts on different pages with partial consistency	With support, applies basic visual formatting to one page using inline styles or very simple CSS
St 7	Link 7	Uses basic tools (e.g., extrude, scale, rotate) to create simple 3D shapes with limited detail	With support, uses a small number of tools to create basic 3D forms or modify pre-made objects
St 8	Link 8	Applies simple colours or textures and adds at least one light source to a 3D scene	With guidance, changes the colour of an object and adds lighting using presets or defaults
St 9	Link 9	Animates objects using basic keyframes and some automatic tweening, though movement may lack polish	With help, creates simple object movements using basic keyframes with minimal tweening
St 10	Link 10	Develops a basic application with some relevant features, showing limited awareness of the client's needs	With support, produces a simple app idea or interface, making basic decisions with some reference to the client brief



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