Home-School Learning Collaboration – Computing



Topics in this cycle: Scratch	Taught: Autumn 2	Year Group: 7
Key knowledge/concepts to be learnt ('Tell me about')		Websites/blogs/YouTube links and further reading to deepen and consolidate learning
 What is a Conditional Statement? Identify the scratch blocks needed for Explain what a conditional statement Explain how conditional statements of the statement of the	r a game using the tools in sprite. If a game using the tools in sprite. If a conditional statement. It is. Illow games to be more realistic. It is etection. It is games to be more realistic.	Notes/Information Scratch for Beginners Create & Learn Creating and Using Strong Passwords Microsoft Conditional Statements in Scratch Codingal Creating a Folder Microsoft Variables in Scratch Codingal Creating and Sending an Email Microsoft.

Key Vocabulary and Definitions To Be Learnt		What Will The Assessment Look Like?	
Scratch Sprite	An image that can be programmed to move, respond to events, and interact with other sprites.	The assessment will consist of: • Block identification – Explain what the different	
Backdrop	Another name for the background scene. It is at the back of the game and other elements of the program are added on top.	Scratch programming blocks can do.	
Animation	a filmmaking technique where still images are manipulated to create the illusion of movement		

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Conditional Statement	Conditional statements help you to make a decision based on certain conditions.	Written questions – Explain programming constructs such as Variables & Conditional
Collision	The process where 2 or more objects come into contact with each other.	statements.
Collision Detection	A computational challenge aimed at detecting collision between 2 or more objects.	Family Learning Opportunities
Variable	A variable can be thought of as a box that the computer can use to store a value. The value help in the box can change. The value help in that box can change.	Using the skills you've learned in class, work with your parent or carer to create a simple game in Scratch. This could be a quiz, a maze, or a platform game. Show them
		how to use blocks to control sprites, add sounds, and create score systems. It's a great way to share your learning, have fun together, and help someone else
		understand how programming works! Scratch Programming Website
		Create a quiz project in Scratch that tests knowledge of basic programming concepts you've learned, such as using variables, creating loops (forever), using conditional statements (if/else), and designing interactive sprites. Once your quiz is complete, share it with your family and ask them to play it to see how well they understand Scratch programming!