

Curriculum Sequence for **Computing – Computing teaches us how to safely use computers and other devices**

Year 1	Autumn Term A Trip Down Memory		Spring Term Animals Everywhere		Summer Term The Great Outdoors	
	<p>Declarative Knowledge What can I do to keep safe online? Explain how and why to stay safe using the computers and what to do if a problem occurs. Can I use a keyboard to write my name? Knowledge of computer parts and functions. Can I give instructions for a sequence of movements? Know that they can program toys and machines.</p>	<p>Procedural Knowledge Use the keyboard to write my name and other words (Using a beebot and simple App) Create individual instructions to a programme (straight, turn) Give a sequence of simple instructions Understand what algorithms are Understand how algorithms run as programs on digital devices Create a simple program Identify personal information that should be kept private online</p>	<p>Declarative Knowledge Can I use a keyboard to write my name? Knowledge of computer parts and functions. What can I do to keep safe online? Explain how and why to stay safe using the computers and what to do if a problem occurs. Can I talk about what different keys do on a keyboard? Space, shift, return, delete.</p>	<p>Procedural Knowledge Use the keyboard to write my name and other words Use the space bar and return keys to create spaces Use technology purposefully to create digital content Use technology purposefully to organize and store content Type in notes or word, facts about turtles. Identify personal information that should be kept private online Jessie and friends planning.</p>	<p>Declarative Knowledge What can I do to keep safe online? Explain how and why to stay safe using the computers and what to do if a problem occurs. Can I use technology to create animations or videos? Name and sort software that can be used for green screening or animations. Know how to open a program, select, clip, play and save.</p>	<p>Procedural Knowledge Create digital content. Create outdoor character animations using chatterpix. Organise, store and retrieve digital content. Use technology purposefully to manipulate content Use technology purposefully to organize and store content Identify personal information that should be kept private online Use technology safely and respectfully Jessie and friends planning.</p>
	Enhancements: Traditional toys and games day Visit local library		Enhancements: Visit from Animal person, trip to the safari park/zoo/nature centre, create exhibition for parents		Enhancements: Outdoor day, trip to West Smethwick Park, prepare an outdoor day for their family	
Year 2	Autumn Term Home and Away		Spring Term Change Makers		Summer Term Change 4 Life	
	<p>Declarative Knowledge What can I do to stay safe online? Use Hector, tell an adult, only use a computer with an adult in the room, don't give out personal information. E-safety SMART acronym for safer internet usage. How do I find information using the internet? Use of the internet and google How can I save and retrieve information? Know that information is saved in folders and named to be easily located and opened</p>	<p>Procedural Knowledge Save work with a name and date Navigate backwards and forwards on a website Collect and place information (words, pictures) in a table Algorithms, programming, debugging, recognise use of information technology beyond school</p>	<p>Declarative Knowledge Using Word What is a font? The style of the letters Know about the larger font and smaller font buttons Know to highlight words by clicking and dragging How can you gather information and pictures? Know how to copy and paste from a website Know how to use links and the back button when using a website Green Screening e-safety</p>	<p>Procedural Knowledge Collect and place information (words, pictures) in a table Navigate backwards and forwards on a website Make font bigger and smaller Use technology purposefully to create digital content Use technology purposefully to manipulate content</p>	<p>Declarative Knowledge Capturing film with range of devices E safety How Using a green screen to capture their cast photo. Manipulate digital content.</p>	<p>Procedural Knowledge Use technology purposefully to create digital content Take photos Take videos Use technology purposefully to retrieve content Use technology purposefully to manipulate content Use technology safely and respectfully Collect and place information (words, pictures) in a table Navigate backwards and forwards on a website Make font bigger and smaller</p>
	Enhancements		Enhancements Visit to Black Country Museum		Enhancements: Visit to Sandwell sports academy, create an exhibition for parents	

	Walk around Smethwick, interview people who lived in Smethwick since they were young, visit to church or Gurdwara	Create a performance for parents	