Leintwardine Endowed CE Primary School Learning Journey Itinerary					
	'Letting	J Our Light Shine'			
SUBJECT : Computing	YEAR : B	TERM : Spring 2	YE	EAR GROUPS : 1/2	
Key Question 1: How can computers help us to create and use pictograms?					
Key Question 2: How can we use a computer to guide a turtle through a maze?					
Previous Knowledge – We would expect children to already be able to: Have used iPads before. Log onto Purplemash Know that it is important to stay safe online (Internet safety days) Know that computers follow instructions (Lego builders unit) Have experienced pictograms in maths (Y2) Used a computer generated pictogram (Questioning Unit)					
END OF UNIT OBJECTIVES					
Some children will not yet have met what is expected and will show that they are <b>emerging</b> because they can:	Most children will show that they have reached the <b>expected</b> level because they can: Some children will have gone beyond the expected level and will show that they are <b>exceeding</b> because they can:				
With support, organise a limited set of data into a physical pictogram and a virtual pictogram With support, use this data to answer given questions. Working as a group, create, store, retrieve and share their pictograms	Collate and organise class data into a physical pictogram and a virtual pictogram Interrogate this data to answer given questions. Create, store, retrieve and share their own pictogramsCollate and organise class dat physical pictogram and a virtu Interrogate this data to prese about the data e.g. 'The secon popular form of transport wa Independently, create, store, share their own pictogramsSave their pictograms, using a memorable file name, to their own personal space on Purple Mash and understand that this can be retrieved later Represent simple collected data in an appropriate pictogram by using 2Count Use 2Count to group collated data into pictorial representationsCollate and organise class dat physical pictogram and a virtu Interrogate this data to prese about the data e.g. 'The secon popular form of transport wa Independently, create, store, share their own pictograms		d organise class data into a ictogram and a virtual pictogram e this data to present statements data e.g. 'The second most orm of transport was'. ently, create, store, retrieve and r own pictograms		
Use the buttons to move their character purposefully. Move one step at a time towards the goal rather than anticipating several steps. Start to be able to work out why their program doesn't work as they expect and know that it is due to the instructions which they are inputting rather than a fault with the computer understanding the instructions. Explain the possible ways to make their turtle move with support. 'Read' the code one line at a time but might not be able to envisage the bigger picture of the overall effect of the program.	Use the buttons to move their character purposefully. Plan their moves several steps at a time towards the goal rather than one step at a time. Make logical attempts to try to fix code rather than attributing it to a fault with the computer understanding the instructions. Explain the possible ways to make their turtle move in the different levels of 2Go. 'Read' the code one line at a time and make good attempts to envision the bigger picture of the overall effect of the program. Demonstrate an ability to successfully use diagonal direction keys combined with number pad to refine their solution for solving a problem Use the 'list' feature in 2Go to generate an algorithm to solve a given problem. Test their instructions until they finally make an algorithm which works Use alternative algorithms to achieve the same outcomes, beginning to understand refinement of instruction		Plan their towards th one 'run' of themselve challenges knowing t down to th understan Explain th turtle mov 'Read' the picture of	Plan their moves several steps at a time towards the goal even reaching the goal in one 'run' of the program Challenge themselves by creating their own complex challenges. Intuitively debug their code knowing that any unexpected outcome is down to the code and not the computer's understanding. Explain the possible ways to make their turtle move in the different levels of 2Go. 'Read' the code and envision the bigger picture of the overall effect of the program.	
ASSESSMENT OPPORTUNITIES Observations of children at work, printed work, saved work					
ENRICHMENT OPPORTUNITIES Helping children to remember more using ipads across the curriculum	SUBJECT SPECIFIC VO Data Pictogram Visual Title Data collection Recording Results Compare Totals	DCABULARY Turtle Con Direction Ins Forwards Alg Backwards Un Left Del Right Un Route Bac Challenge	mmand struction orithm do lete it ckground	CROSS-CURRICULAR LINKS Links that we can make to help children make sense of what we want them to know and be able to do. Maths – Statistics Computing – Coding Maths – position and direction	