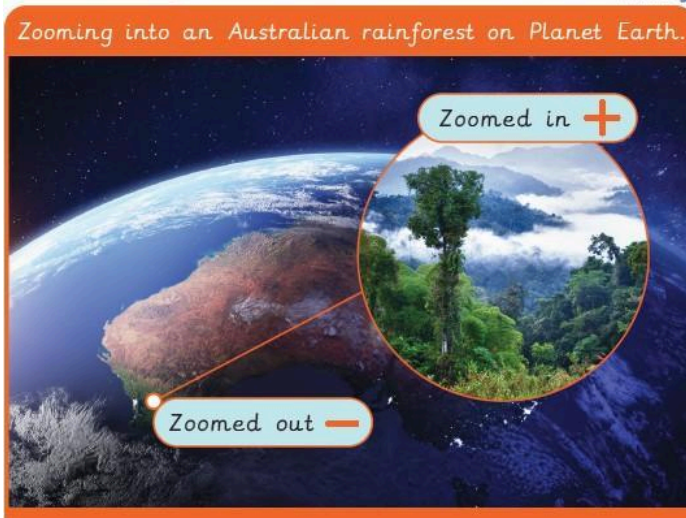


Summer Term, Year 2, Computing, Programming

Subject specific Vocabulary		Images/Diagrams/Maps	Important Knowledge
Abstraction	To pick out the important information		To understand what machine learning is and how it enables computers to make predictions. To know that loops in programming are where you set a certain instruction (or instructions) to be repeated multiple times. To know that abstraction is the removing of unnecessary detail to help solve a problem.
Algorithm	A clear set of instructions to carry out a task		
Artificial intelligence	Computers that can perform the tasks that humans normally do		
Bug	An error or mistake in computer code		
Correct	Free from mistakes		
Data	Information used for a specific purpose or investigation		
Debug	To fix the error in code		
Decompose	To break something down into smaller chunks		
Error	A mistake		
Key features	Important part of something		
		Writing/Provision/ Enrichment opportunities Storyboards Setting descriptions of images Non-chronological report about computers and how they work/ programming	

Presentation	Assessment		
1	To decompose a game to predict the algorithms that are used.	Writing a creative algorithm planned for the dinosaur game and explaining what decomposition means	Giving accurate predictions of the algorithm behind the game and giving a detailed explanation of decomposition
2	To understand that computers can use algorithms to make predictions (machine learning).	Writing clear and precise algorithms that can be understood by another person	Explaining why algorithms need to be clear and precise and how we can do this as well as referencing parts of their own algorithms
3	To plan algorithms that will solve problems.	Creating algorithms to solve problems and beginning to use loops to make their code more efficient	Explaining their chosen algorithms clearly and using loops to make them more efficient
4 5	To understand what abstraction is.	Clearly explaining what abstraction is and creating a plan which can be identified as a particular location through clear landmarks or a key	Discussing the level of abstraction, e.g.: too much/too little during discussions and justifying the level of detail in their plans