

Year group: 1	Term: Autumn 2	Unit: Algorithms unplugged
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Must have knowledge:

- To know that an algorithm is when instructions are put in an exact order
- To know that decomposition means breaking a problem down into chunks
- To know that problem solving is important in computing

Key Vocabulary:

Algorithm: Instructions that are put in an exact order









Decompose: To break something down into smaller chunks.

Bug: An error or mistake in computer code.

Debug: To fix the error in code

Key skills

- To be able to follow an algorithm
- To be able to write a clear algorithm
- To decompose a design into steps

Full picture:	Decomposition:		
	Shape:	How many?	Body part
		One	Eye
		One	Head
		One	Beak
		One	Wing
		One	Body
		Two	Legs
		Two	Feet

An algorithm for brushing your teeth:



1. Brush your front teeth 
2. Add some toothpaste 
3. Get your toothbrush 
4. Brush your back teeth 
5. Rinse your mouth 
6. Smile! 

There is a bug in the algorithm!

1. Get your toothbrush 
2. Add some toothpaste 
3. Brush your front teeth 

Note: A curved arrow points from step 3 back to step 1, indicating a loop or error in the sequence.