

# Computing – Instructions, Grouping and Sorting, Technology all around

Prior Learning	
What is technology?	
How we group and sort items in mathematics.	
Technology uses programs to carry out tasks.	

Concepts
<b>Algorithms</b> – understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
<b>Technology</b> – use technology purposefully to <u>create</u> , organise, store, <u>manipulate</u> and retrieve digital data
<b>Debugging</b> - understanding the need for precise instructions to ensure algorithm works.

Key Vocabulary	
<b>Algorithm</b>	Instructions split into small steps so that a computer can solve problems or get something done.
<b>Program</b>	Ordered sequence of instructions to solve a problem.
<b>Debugging</b>	Fixing a mistake in an algorithm
<b>Instruction</b>	Detailed information about how something should be done.
<b>Technology</b>	Devices used to retrieve and manipulate data

Images, icons and maps.

Did you find any others?

Can you think of examples of technology at home?

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Key Facts	
1) Computers need instructions to follow.	
2) Instructions need to be precise.	
3) Technology is used in everyday life.	
4) We can use algorithms to program.	
5) Data can be grouped and sorted to find results.	

