

Why are algorithms important?

- What is an algorithm?
- What is a loop?
- What does the term 'abstraction' mean?
- What does the term 'debugging' mean?

<p>Abstraction To pick out the important information.</p>	<p>Debug To fix the error in the code.</p>
<p>Algorithm A clear set of instructions to carry out a task.</p>	<p>Decompose To break something down into smaller chunks.</p>
<p>Artificial intelligence Computers that can perform the tasks that humans normally do.</p>	<p>Error A mistake.</p>
<p>Bug An error or mistake in a computer code.</p>	<p>Key features Important parts of something.</p>
<p>Correct Free from mistakes.</p>	<p>Loop A repeated sequence of instructions.</p>
<p>Data Information used for a specific purpose or investigation.</p>	<p>Predict To make a guess.</p>

<p>Abstraction: Key information</p> <p>Remember to take spare clothes, including t-shirts, trousers, a coat, underwear and a hat. There will be a lot of wet weather in the rainforest, so wrap up to stay dry.</p> <p>You might hear lots of animals, such as monkeys and parrots. Keep close to the adults and be careful where you step.</p> <p>Do not forget to take a drink and a snack.</p>	<p>Decomposition: Smaller chunks</p> <p>List for the rainforest:</p> <ul style="list-style-type: none"> ● Take spare clothes ● Wet weather ● Keep close to the adults ● Take a drink and a snack 
--	--

Zooming into an Australian rainforest on Planet Earth.



Algorithm for making a hot chocolate:

1. Fill the kettle with water
2. Boil the water
3. Fill a mug with the boiled water
4. Add a teaspoon of cocoa powder
5. Add a drop of milk
6. Stir well

