

Key Vocabulary

|              |                                       |
|--------------|---------------------------------------|
| abstraction  | Picking out important information.    |
| algorithm    | Clear set of instructions for a task. |
| debug        | Fix an error in code.                 |
| decompose    | Break something into smaller chunks.  |
| key features | Important parts of something.         |
| loop         | Repeated sequence of instructions.    |
| unnecessary  | Not needed.                           |

Abstraction - Images

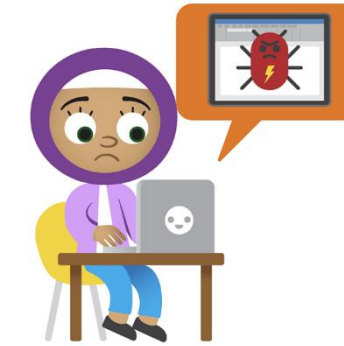


Abstraction helps us read digital maps.

It decides how much detail we need to see.

Zoom in for more details.

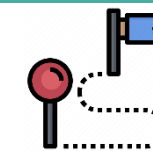
Debug



How do we find the bug?



1. Watch what happens when we run a program.



2. Where does the program go wrong? Near the beginning or end?



3. Check each little step does the right thing.

Abstraction - Information



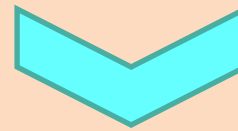
Key information

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.

You might hear lots of animals, such as **monkeys and parrots**. **Keep close to the adults** and be careful where you step.

Do not forget to **take a drink and a snack**.

Decomposition



Smaller chunks

List for the rainforest:

- Take spare clothes
- Wet weather
- Keep close to the adults
- Take a drink and a snack



Algorithms

An algorithm for making hot chocolate.

Clear instructions for making 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

