

What should I already know?

- Concept of computers following given instructions · Planning using an algorithm design
- Systematic, logical thinking to solve problems and achieve aims · Use of 2Dos · Saving, opening and editing work · Sharing work

What will I know by the end of the unit?

- **Why is it important to follow instructions?**
You know that to achieve the effect they want when building something, they need to follow accurate instructions. · You know that by following the instructions correctly, they will get the correct result. · You know that an algorithm is a precise, step-by-step set of instructions used to solve a problem or achieve an objective
- **How can I follow and create simple instructions on the computer?**
You can follow instructions in a computer program. · You can explain the effect of carrying out a task with no instructions. · You know that computers need precise instructions to follow. · You know that an algorithm written for a computer to follow is called a program.
- **How does the order of instructions affect the result?**
You understand how the order in which the steps of a recipe are presented affects the outcome. · You can organise instructions for a simple recipe. · You know that correcting errors in an algorithm or program is called 'debugging'

Key Vocabulary

- Algorithm** A precise, step-by-step set of instructions used to solve a problem or achieve an objective.
- Code** Instructions that a programmer enters into a computer that cause the computer to perform a certain way.
- Computer** An electronic device for storing and processing data.
- Debugging** To find and remove errors from computer hardware or software.
- Instructions** Detailed information about how something should be done or operated.
- Program** An algorithm that has been coded into something that can be run by a machine, e.g., a computer or a robot

Key Questions

- **What is an instruction?**
An instruction takes you through something step by step so that you can successfully complete a task.
- **Why do we need to debug code?**
When you write code, it won't always work correctly first time. When you search for the errors and correct them, this is known as debugging.

Purple Mash Resources

- Paint Projects



Paint Projects