

What Prior Knowledge should students have?

- Pupils have experience of creating algorithms to fulfil a set task using programmable toys.
- They will have used technology for varying purposes, for example cameras to capture images and videos.

What Skills will students learn (Disciplinary Knowledge)

- Communication: Pupils will communicate their ideas and instructions to their partners and the class.
- Problem-solving: Pupils will need to solve problems such as how to make their instructions clear and precise, and how to record and edit their videos.
- Creativity: Pupils will be creative in their choice of recipes and in how they present their videos.
- Digital media: Recording and editing video content

What key knowledge will be taught (Substantive Knowledge)

- Understanding what a recipe is and how to write one.
- Understanding the importance of clear and precise instructions to form an appropriate algorithm.

Key Vocabulary	Definition
Recipe	A set of instructions for making a dish.
Ingredient	A food or other substance that is used in a recipe.
Algorithm	A sequence of instructions that can be followed to solve a problem.
Step	A single instruction in a recipe or algorithm.
Video	A series of images that are displayed one after the other to create the illusion of motion.
Camera	A device that is used to record images or videos.
Edit	To make changes to something.

Online Safety

- Throughout the unit, pupils are asked to follow algorithms and to record and edit videos. This is a good opportunity to remind pupils about the importance of using technology and internet content safely, respectfully, and purposefully.