What should I already know?

From Term 2:

* To predict what will happen for a more complex sequence of instructions which uses repetition.
* To investigate how a problem can be solved by decomposing it into smaller steps and by planning a solution.

Key Vocabulary and Definitions:

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| Algorithm | A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer. |
| Debugging | The process of identifying and removing errors from computer hardware or software. |
| Logic | It’s a bit like reasoning. |
| Precise | The quality, condition, or fact of being exact and accurate. |
| Predict | To say or estimate what will happen in the future or will be a consequence of something. |
| Problem Solving | The process of finding solutions to difficult or complex issues. |
| Reasoning  | The action of thinking about something in a logical, sensible way. |
| Repeats | Something that occurs or is done again. |
| Variable  | Something that can be changed. |
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Computing Skills:

* To make algorithms that solve problems which use sequences and repetition
* To improve more complex algorithms by identifying mistakes (bugs) and correcting (debugging)

Teaching Sequence

1. To make algorithms that solve problems using sequences
2. To make algorithms that solve problems using repetition
3. To improve more complex algorithms by identifying mistakes (bugs) and correcting (debugging)

Blooms Taxonomy – Specific Verbs to Use in Lesson Aims

Knowledge: Describe, find, identify, list, locate, name, recognise, retrieve Comprehension: Classify, compare, explain, infer, interpret, paraphrase, summarise Application: Carry out, implement, use Analysis: Deconstruct, Organise, outline, structure Synthesis: Construct, design, devise, invent, make, plan, produce, Evaluation: Appraise, assess, choose,

Concept Cartoons:
