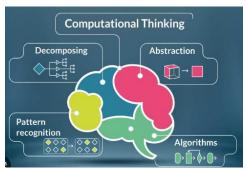
Knowledge organiser – Y4 Programming 2 My Key Learning





What do I already know?

I understand how to use loops to improve programming.

I know how decomposition is used in programming

Key Vocabulary	Definition
Computational thinking	A method of tackling a complex problem, to devise a solution which both humans and computers can understand.
Abstraction	Identify the important details.
Pattern recognition	Identifying similarities and recurrences in data.
Input	Putting data into a computer.
output	Something produced.
Sequence	A set order or pattern for something to follow.
Variable	This could be a number or text that changes each time the program is run.
Logical reasoning	To think through problems and apply strategies for solving them.

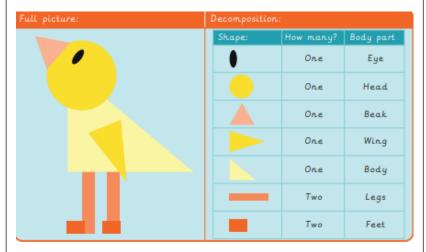
Computational thinking skills can help you to solve a problem.



Pattern recognition is identifying patterns to help you work out how the code works.



Decomposition is breaking things down into smaller parts.



Algorithms can be used for a number of purposes e.g. animation, games design.









