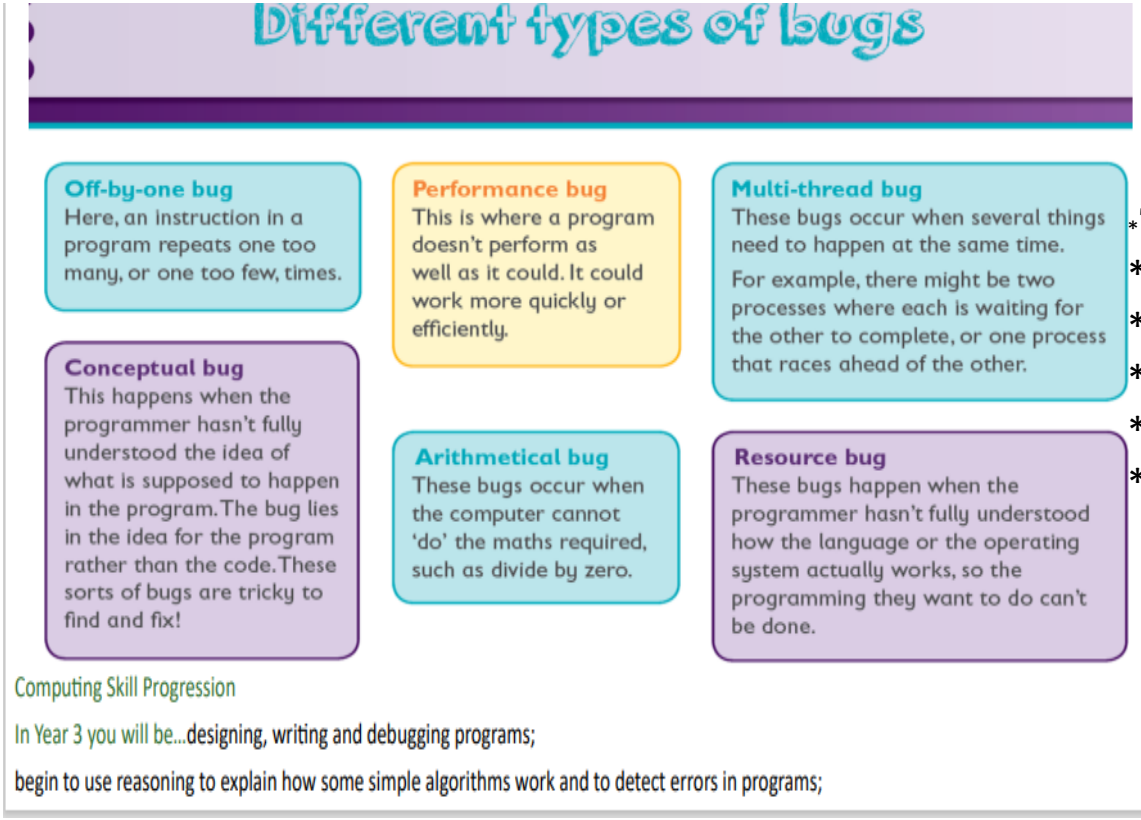
Coleman Primary School
Year 3 Autumn 2 Knowledge Organiser

Computing Skill Progression

In Year 2 you were...understanding what algorithms are; creating and debugging simple programs; using logical reasoning to predict the behaviour of simple programs.

Key Vocabulary: We are bug fixers

algorithm: a sequence of instructions or list of rules to complete a task	**bug:** an error or a mistake in a computer program/algorithm
code: an algorithm which is written using programming language	**Scratch:** a programming language which can be used to make algorithms
input: data supplied or inputted to a computer	**script:** a set of instructions for the computer to follow
output: information produced by a computer e.g. an animation	**debug:** correct mistakes in a computer program/algorithm



Computing Skill Progression

In Year 3 you will be...designing, writing and debugging programs;

begin to use reasoning to explain how some simple algorithms work and to detect errors in programs;

What you will know

*To know how to fix bugs in computer programs
*To know how to correct an error in an off-by one bug.
*To know how to correct an error in a performance bug.
*To know how to correct an error in a multithread bug.
*To know how to correct an error in a conceptual bug.
*To know how to correct an error in an arithmetical bug.