Year 2 Computer Science
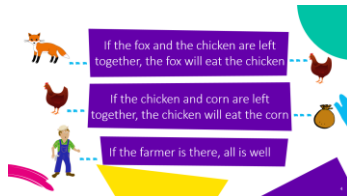
Algorithms –
Real life & Unplugged

An algorithm is a list of instructions, or rules, that make something happen or work something out. An algorithm can be used to describe things that people do every day. When we are solving problems our brains work like a computer. We solve many problems everyday, such as how to brush our teeth or get dressed.

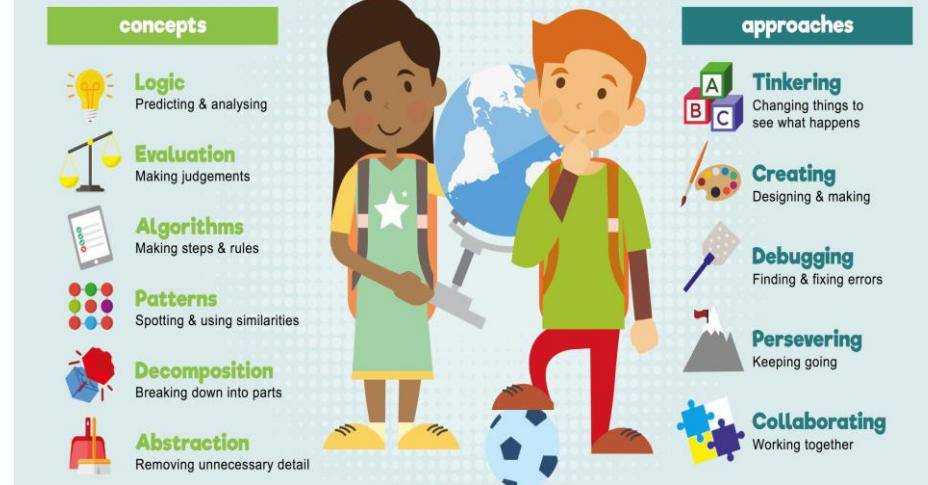## Computational Thinkers –
River Crossing

We are all computer scientists, capable of computational thinking. Our brains process, debug and make simple algorithms every day. We use computational thinking skills to solve problems. (see diagram)
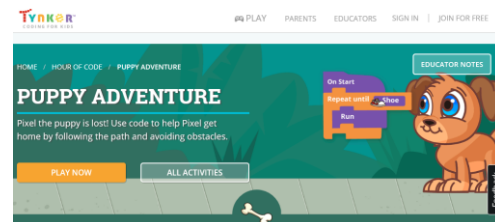
Key Vocabulary:

Links to prior learning:

- Robot Mice, Coding apps – Reception
- Algorithms, Beebots – Year 1

Scratch Jr

Each Sprite (character) has it's own algorithm made from blocks of code. We start every algorithm with a yellow block. Blue blocks are for movement. Pink blocks make your sprite do something - such as change size. Each algorithms ends with a red block.

Coding

When you learn to code you can make things happen on your computer. Computer code is a set of rules or instructions. It is made up of words and numbers or blocks of code. When you put them in the right order it will tell your computer what you want it to do.