

## Think like a Computer - Algorithms in your World



A computer is very quick at solving problems but actually are not very clever. They are just made up of metal and cannot think for itself. It relies on us humans to tell them what to do step by step in order to solve problems.

- Find out what the word '**Algorithm**' means related to this and if you want a real challenge then look up what the word '**Decomposition**' means in the world of Computing.
- At home, I'd like you to think about all the tasks that you complete every day without thinking about and how you would have to break them down into steps if you were going to get a computer to do them.

For example, everyday tasks maybe e.g. cooking recipes/brushing teeth/making toast/crossing a road and how they can all be broken down to a series of steps to solve a 'problem'.

- Write each of these down as a clear set of steps or draw a flowchart on paper.
- For more of a challenge you can add in a decision where 2 different actions are taken dependent on a condition – you will need to write down the question to be answered e.g. Do you want sugar in the tea? Yes – add sugar No – carry on with the next step.