# Autumn 1 <br> Computer Science - Programing <br> <br> Lostwithiel Primary School <br> <br> Lostwithiel Primary School <br> Computing Knowledge Organiser <br> <br> Year 2 <br> <br> Year 2 Oak Tree Class 

 Oak Tree Class}

## Prior Learning:


 together in one continuous algorithm. Debug (correct) mistakes by working backwards. List other objects in the home, which follow instructions e.g. washing machine.

## Key Computing Knowledge:

- By pressing the arrow button, the floor turtle is programmed to make one quarter turn (either left or right depending on the direction of the arrow pressed).
- By pressing the arrow button twice, the floor turtle is programmed to make a half turn.
- By pressing the arrow button three times, the floor turtle is programmed to make three quarters of a turn.
- An algorithm can program the floor robot to move in one continuous movement by entering all instructions and then ' $G o$ '.
- The floor robot's destination can be predicted by picturing the algorithm before it starts.
- You can debug an algorithm by watching it carefully and finding the point it behaves unexpectedly.
- Algorithms can be recorded on paper so others can follow them.
- Algorithms can be written as instructions for a screen sprite.
- 'Repeat' (loop) will command the sprite to repeat the last move.
- 'When' command will command the sprite to start moving after a click or jump.
- An algorithm can be written as a short 'story' for a sprite.

- Algorithms can be edited and refined to ensure it is a clear sequence of commands.


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