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| Computing  | Year 2 |
| **Focus:** Robot algorithms |
| Age related vocabulary |
| **amend** | to change or add something (to an algorithm) | **precise** | clear instructions |
| **predict** | what you think is going to happen next |  |  |

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| Carlton Assessment Grid  |
| Success Criteria  | Pupil Reflection  | Teacher Assessment  |
| I can give precise instructions | Before  | After  |   |
| I can explain what an algorithm is | Before  | After  |  |
| I can create an algorithm | Before  | After  |   |
| I can predict the outcome of an algorithm | Before  | After  |   |
| I can amend an algorithm | Before  | After  |  |

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| Key Knowledge |
| Specific and clear words and phrases need to be used when giving instructionsComputers can only follow the instructions that they are givenAn **algorithm** is a precise set of ordered instructions which can be turned into code.Following an algorithm or program is called ‘*code tracing’.*A computer program is the implementation of an algorithm on a digital deviceMistakes in algorithms are called bugs. Fixing a problem is called debugging.Robots are machines. There are lots of types of robots. They move in different ways and do all kinds of jobs. Because a robot is a machine we have to program it with an algorithm to do things. It only does what we tell it to do.  |