



COMPUTING



Problem solving

National Curriculum Objective

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs

Key Vocabulary

| | | | | |
|--------------------------------|----------|----------------------------------|------|-------|
| direction | forwards | backwards | turn | left |
| right | clear | algorithm | undo | debug |
| command | arrow | instruction | | |
| Substantive- Subject Knowledge | | Bigger Picture- Supporting Words | | |



| Intents | Student |
|---|---------|
| Do I understand direction words: forwards, backwards, left, right? | |
| Can I create a simple algorithm to make Probotix car move forwards and backwards? | |
| Can I create a simple algorithm to make Probotix car turn left or right? | |
| Can I undo a command? | |
| Can I debug a simple program? | |