Writing Algorithms

**Task:** Use selection to control a model of a carousel that includes sparkles and a motor.

|  |  |  |
| --- | --- | --- |
| Forever |  |  |
| If the switch is pressed |  |  |
| Repeat times: |  |  |
| Light the sparkle | colour =  | for 0.5 / 1 / 2 secs |
| Turn the sparkle  | off | for 0.5 / 1 / 2 secs |
| Spin the motor | forwards / backwards | at half / full power |
| Pause for |  seconds |  |
| Spin the motor | forwards / backwards | at half / full power |
| Pause for |  seconds |  |
| Stop the motor |  |  |
| Repeat times: |  |  |
| Light the sparkle | colour =  | for 0.5 / 1 / 2 secs |
| Turn the sparkle  | off | for 0.5 / 1 / 2 secs |

Resources are updated regularly — the latest version is available at: [ncce.io/tcc](http://ncce.io/tcc).

This resource is licensed under the Open Government Licence, version 3. For more information on this licence, see [ncce.io/ogl](http://ncce.io/ogl).