



Scan the code or use the lesson ID to access this lesson online.



Name: \_\_\_\_\_

Date: \_\_\_\_\_

I can integrate a range of sensors and components in my own programs.

LessonID: 478



This programming challenge has two main parts to it. Break each part up using the templates below.

Task one: to make the motor turn on and off at different speeds.

To do this, I will .....

.....

.....

Sensor required:..... Connected to input:.....

Sensor required:..... Connected to input:.....

Task two: to make the lights twinkle when it gets dark.

To do this, I will .....

.....

.....

Sensor required:..... Connected to input:.....

Dark threshold value:.....

Light threshold value:.....



Now you have a clear idea of what your program needs to do, get to work programming it. You could even work in two programming teams, taking a task each. When you've fully tested your code, merge it into a single project.