Worksheet 3b: Greenhouse tasks

Complete each of the tasks below to help automate the home in the Greenhouse mimic:

**Task 1:**

Create a flowchart to turn the **Heater ON** if the temperature is **less than 10** and turn the **Heater OFF** if the temperature is **greater than or equal 10**.

**Task 2:**

Create a flowchart to turn the **Light ON** when light from the Sun is **less than 20** and turn the **Light OFF** when light from the Sun is **greater than 50**.

**Task 3:**

Create a flowchart to turn the **Sprinkler ON** for **5 seconds** if the low moisture sensor is **ON**.

*Tasks 4, 5 and 6 require the use of subroutines and may be left until subroutines have been covered in Lesson 4.*

**Task 4:**

Create a subroutine flowchart to **OPEN** the **Window**.

**Task 5:**

Create a subroutine flowchart to **CLOSE** the **Window**.

**Task 6:**

Create a flowchart to **OPEN** the **Window** when the temperature is **greater than 20** and **CLOSE** the **Window** when the temperature is **less than 20**.