

# **Lesson Study**

## **Student Observation Sheet**

**Mark Sciberras**

**Student name:** \_\_\_\_\_

Dear Observer,

I would like you to observe **one** particular student by paying attention to **what he/she does, asks, writes, responds to the question posed, discusses with the rest of the group, reacts to the given tasks and his./her struggles**. In the first phase students are divided in groups and presented with eight different switches which they need to investigate to identify their behaviour and understand how they operate.

<b>Phase 1:</b>			
<b>The student:</b>	<b>Yes</b>	<b>No</b>	<b>How is it evident?</b>
Understands the task and the work he/she needs to do in relation to it.			
Engages himself/herself and participates with the rest of the group			
Take initiatives to use the provided tools such as the multimeter and tablets			
Shares his/her gained knowledge with the rest of the group			
contributes to discussion within their group			

In the second phase, while the students remain grouped, each student has to read the given scenarios and analyse the given information related to them. Afterwards, they have to discuss each scenario to identify a particular switch/s which relate/s to the given circuit which corresponds to it.

<b>Phase 2:</b>			
<b>The student:</b>	<b>Yes</b>	<b>No</b>	<b>How is it evident?</b>
reads carefully and analyses the given information related to each scenario			
contributes to discussion within the group			
agrees with the rest of the group towards the decisions taken			

During the third phase, students have to build a circuit using the provided components and attach to it the switch or switches that they have identified in the previous stage. During this phase, students will be able to check their own reasoning based on the knowledge that they have acquired from the first phase.

<b>Phase 3:</b>			
<b>The student:</b>	<b>Yes</b>	<b>No</b>	<b>How is it evident?</b>
Contributes in an active way to the rest of the group to build up a circuit			
Tries to operate the circuit to function as per the given description			
Discusses the work being carried out and the circuit behaviour with the rest of the group.			

The fourth phase serves as a conclusion. The teacher will deliver a presentation which relates to switches and their application to help the students familiarise themselves more with terminology related to them.

<b>Phase 4:</b>			
<b>The Student:</b>	<b>Yes</b>	<b>No</b>	<b>How is it evident?</b>
understands that the content of the presentation is related to different switches which were used during the lesson			
understands the terminology related to switches			
Relates the discussed switches to other equipment that we generally use.			

Thank you!

*Engineering Technology lesson study team*

