

Team members:

HACKHAM EAST INVENTORS FORUM 2014

Your task is to design and build a device that meets the following criteria:

- ☒ Has at least 1 working circuit
- ☒ Includes an On/Off switch of your *own design*
- ☒ Has a clear purpose
- ☒ Is safe for people to use

When the forum commences at 2:30 you will need to present the following information to your subdivision (class):

- ☼ An **overview** of **what your device is, its purpose, safety components** (insulators and conductors) and **how it works**
- ☼ Share a **technical drawing** of your design using the correct symbols for electrical components
- ☼ A **demonstration** of your device in action

	Level 1	Level 2	Level 3
Purpose	Purpose of device is unclear or not explained	Purpose of device is practical and clearly explained	Purpose of device is practical, clearly explained and is a solution to an everyday problem
Circuit	Circuit is incomplete	Circuit is complete and includes 1 device	Circuit is complete and includes more than 1 device
Technical drawing	Technical drawing does not resemble what has been built or is not complete. Symbols have not been drawn accurately.	Technical drawing is a close representation of what has been built. Most symbols have been drawn accurately.	Technical drawing is a true representation of what has been built. All symbols have been drawn accurately.
Insulators and Safety	The circuit is not insulated for safety.	Most exposed parts of the circuit are insulated for safety. The conductors and insulators are explained.	All exposed parts of the circuit are insulated for safety. The conductors and insulators are explained accurately.
Switch	There is no switch present or it does not work successfully.	The switch works successfully but is not the student's own design or is not easy to use.	The switch is the student's own design, is easy to use and works successfully.
Explanation and Presentation	<p>The presentation is not well planned. One or more team members do not play a role in the presentation. Parts of the presentation are unclear or not easy for the audience to understand.</p> <p>One or more parts of the presentation are missing:</p> <ul style="list-style-type: none">- Explanation- Diagram- Demonstration	<p>The presentation is planned and all team members play a role. Most parts are clear and easy for the audience to understand.</p> <p>All parts are present:</p> <ul style="list-style-type: none">- Explanation- Diagram- Demonstration	<p>The presentation well is planned and all team members play an equal role. It is clear and easy for the audience to understand.</p> <p>All parts are present:</p> <ul style="list-style-type: none">- Explanation- Diagram- Demonstration

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