**INDIAN SCHOOL ALWADI AL KABIR**

**DEPARTMENT OF SCIENCE 2017 -18**

**WINTER ASSIGNMENT – CLASS 7**

**To make the following models: Choose any one of the projects.**

1. **A Solenoid**
2. **A Simple circuit**
3. **The Components of the circuit**

**A sample is shown below**

**Make a working model of a simple circuit: (Parental Guidance is recommended)**

**Required materials**

* Bulb
* A cell
* thumb pin
* Safety pin
* Cardboard
* connecting wires

**Estimated Experiment Time**

Approximately 30 minutes

**Step-By-Step Procedure**

**1.** Place a bulb and a cell some distance apart on a cardboard.

 Use a tape to secure their positions.

**2.** Plug a thumb pin some distance from the bulb.

**3.** Cut three pieces of wires. Peel off the ends of the wires.

**4.** Connect wires from each end of the bulb. Connect one wire from the bulb to the

 positive terminal of the cell .Connect the second wire from the bulb to a drawing pin.

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**5.** Connect a wire from the negative terminal of the cell to the safety pin .

**6.** Touch the safety pin to the thumb pin and record your observation.

7. Students can use their creativity as shown in the figure.

**Note**

* Be careful in handling sharp objects like the scissors.

**Prepare a file with:**

* the circuit diagram.
* a write-up on the making of the circuit diagram.
* **REFERENCE: CLASS 7 - SCIENCE TEXTBOOK**

**DATE OF SUBMISSION: 15.01.18 / Monday**

**Criteria for evaluation**

Idea / Theme , Appropriate to the theme , Usefulness, Explanation ,

Command on the subject/model, Overall Presentation ( 5 x 2 = 10)

 *Prepared by Ms. Leena C*

**Jenifer Robinson**

**Academic Supervisor – Science**

**19.12.17 / Tuesday**

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