

At Junior Certificate level I can:

Apply my knowledge of Magnetism, Electricity and Electronics

Date Commenced:

Date Awarded:

Learning Targets I can...

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| 1 Show the attraction and repulsion between magnets and test different materials for magnetism | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 Create a static electricity charge using simple materials and demonstrate the effect of earthing charged objects | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 Perform a test to see if an object is an insulator or conductor of electricity using an electrical circuit | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 Distinguish between direct current (DC) and alternating current (AC) and state the type of current and the voltage of the mains electricity supply | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 Calculate the cost in euros of running an electrical appliance using the power rating of the appliance, the duration of use and the price of mains electricity | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 Wire the plug of an electrical device correctly and identify the locations of the live, neutral and earth wires | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 Describe how a fuse in an electrical circuit works as a safety measure against overheating | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 Explain the importance of a circuit breaker or fuse board in the home | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 Set up a simple circuit using switches, LEDs, resistors and buzzers | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 Give an example of the use of LEDs and LDRs in everyday life | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Refer also to: Art, Home Economics, Personal and Social Development, Physical Education, Maths

Work begun



Work in progress



Work completed

