

Physics 2

Science

Statement Code no: 10

Student:

Class:

At Junior Certificate level the student can:

Understand the concepts of magnetism, electrical conduction and the main properties of light

Date Commenced: / /

Date Awarded: / /

Learning Targets - This has been demonstrated by your ability to:

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|----|--|--|
| 1 | Identify north and south poles of a magnet by simple experiments | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 | Carry out experiments to show attraction and repulsion between magnets | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 | Test a variety of materials for magnetism | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 | Show understanding of the term magnetic field and plot the magnetic field of a bar magnet | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 | Test electrical conduction in a variety of materials, and classify each material as a conductor or an insulator | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 | Describe how to wire a plug correctly and explain the safety role of a fuse or circuit breaker in domestic electric circuits | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 | Understand that light is a form of energy, which can be converted to other forms of energy | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 | Show that light travels in straight lines and explain how shadows are formed | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 | Investigate the reflection of light by plane mirrors | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 | Demonstrate and explain the operation of a simple periscope | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 11 | Understand that white light is made up of different colours, by producing a spectrum of white light using appropriate apparatus and list the colours of the spectrum | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

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

Work begun | Work in progress | Work completed