

Physics 4

Science

Statement code no. 20

Student:

Class:

At Junior Certificate level I can:

Apply my knowledge of Heat, Light and Sound

Date Commenced:

Date Awarded:

Learning Targets I can...

- | | |
|---|--|
| 1 Investigate the effect of heating and cooling on solids, liquids and gases | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 Determine the temperatures at which ice melts and water boils | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 Carry out experiments that involve changes of state | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 Investigate how heat is transferred by conduction, convection and radiation | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 Compare the insulating properties of different material | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 Demonstrate that light travels in straight lines | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 Disperse white light into its different colours and name the colours of the viable spectrum | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 Demonstrate the reflection of light using mirrors | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 Show that sound is a form of energy and is caused by vibrations | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 Tell which is faster, the speed of sound or the speed of light and explain the time difference between seeing and hearing the same event | <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

