

Energy and Control

Science

Statement Code no: 4

Student:

Class:

At Junior Certificate level the student can:

Name sources of energy and describe ways in which energy can be transferred and used

Date Commenced: / /

Date Awarded: / /

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

- 1 Explain the difference between renewable and non-renewable sources of energy. Give three examples of each
- 2 Identify ways in which energy is used in the home, explain how they work and say which (if any) is used in your home for heating
- 3 Name three ways in which heat can be transferred, explain how they work and give examples of each
- 4 Suggest ways of conserving energy in the home. Describe the different methods of using insulation
- 5 Study a copy of an ESB bill and show how to calculate the total bill amount
- 6 Set a simple circuit showing the flow of electricity
- 7 Wire a plug. Make a labelled sketch of the inside of a wired plug showing the correct colours of wire
- 8 Name two metals that are attracted by magnets and two that are not. Describe what happens when two magnets are brought near each other. Draw a compass and explain how it works
- 9 Do an experiment to show that light travels in a straight line
- 10 Recognise and understand the dangers shown by the basic hazard warning symbols
- 11 Handle safely all equipment and substances

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

Work begun | Work in progress | Work completed