At Junior Certificate level the student can:

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

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 ⬜️ ⬜️ ⬜️