At Junior Certificate level I can:

Apply my knowledge of Heat, Light and Sound

Learning Targets I can...

1. Investigate the effect of heating and cooling on solids, liquids and gases
2. Determine the temperatures at which ice melts and water boils
3. Carry out experiments that involve changes of state
4. Investigate how heat is transferred by conduction, convection and radiation
5. Compare the insulating properties of different material
6. Demonstrate that light travels in straight lines
7. Disperse white light into its different colours and name the colours of the viable spectrum
8. Demonstrate the reflection of light using mirrors
9. Show that sound is a form of energy and is caused by vibrations
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

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