At Junior Certificate level the student can:

Describe the characteristics and structures of different materials and explain how they change under different conditions

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

1. Follow instructions promptly and carefully
2. Do an experiment to change ice to water, water to ice, water to steam and steam to water
3. Draw a labelled diagram of a thermometer. Use a thermometer to measure and record
4. Do an experiment to find suitable liquids which will dissolve different solids
5. Separate mixtures using filtration, evaporation and distillation
6. Name some common acids, alkalis and neutral substances and use simple indicators to show the difference between them
7. Place some household liquids correctly on a pH chart
8. Name six different metals. Describe them and say how each one is used in everyday life
9. Draw the fire triangle. Name the different fire types and say how to extinguish each type. List the safety rules for dealing with fire
10. Draw and label a diagram of the water cycle. Describe how water is treated to make it safe for drinking

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