At Junior Certificate level the student can:

Describe a range of plant and animal life and explain their connection with the wider environment

Learning Targets: Select any 10 objectives to work on
- This has been demonstrated by your ability to:

1. Name and recognise the leaves of five common Irish trees and five common flowers
2. Draw and label the parts on a simple plant: stem, root, leaf and flower
3. Describe the functions of a stem, root, leaf and flower
4. Explain how leaves make food and discuss the importance of this
5. Germinate some seeds and describe what happens during the germination
6. Name and identify five common creatures from any two of the following groups: birds, insects, domestic animals and wild animals
7. Name the different types of habitat of three different Irish plants and animals, giving examples of each
8. Explain how a plant or animal is adapted to its habitat
9. Name some of the plants and animals which provide food for humans and are important in agriculture, business, medicine and leisure
10. Explain the idea of food chains, giving examples of where different animals and plants fit in
11. List and give the function of different soil parts. Do two simple experiments on soil
12. Suggest ways in which humans can improve or harm the environment and suggest some ways of protecting it
13. Name the three types of micro-organism. State the main uses and/or harmful effects of bacteria, viruses and fungi to living things
14. Discuss risks and benefits of vaccination on small babies
15. Visit a habitat, make observations and measurements, collect samples and report your findings
16. Use the microscope correctly to examine a number of samples
17. Do one experiment to show how micro-organisms are used in the making of foods such as: yoghurt, beer, bread, cheese etc.

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