

Science Curriculum Information

Year 6

Emphasis at all stages of studying science in Year 6 is on enquiry and enjoyment of the many fascinating areas of study there are in science. One member of staff teaches all of the different facets so that confidence and continuity is maintained. The department aims to complete the areas of study encountered at Key Stage 2 in their previous school, but the approach is flexible and, if girls seem particularly interested in certain aspects, they might be studied at slightly greater depth. Confidence in the laboratory is of paramount importance and the year begins with learning safe laboratory practice. At least one of their two lessons a week is spent doing practical work and listed below are some of the key topic areas that are explored:

- Living organisms in their natural environment - pond dipping, habitats, food chains
- Microbes and using a microscope
- Mixing, changing and separating - water, solubility and dissolving and change of state
- Interesting life cycles and measuring growth using Stick Insects
- Temperature and different types of thermometers
- Plants in winter and a visit to Leicester University Botanic Garden
- The Earth & Solar system, seasons, time zones etc.
- Different types of rocks, fossils and the rock cycle
- Life cycle of the guppies in the school aquarium. External and internal features of a typical fish including dissection of a mackerel or similar
- Birds – beaks and feet, feathers, pollution, eggs and observing chicks

