

Science KS2 Curriculum Overview

Willow Class – Y3/4	Biology 3 Plants, incl. parts, lifecycle and requirements for life Animals: skeletons & nutrition	Chemistry 3 Classification of rock types Simple understanding of fossilisation.	Physics 3 Sources of light; shadows & reflections Simple forces, including magnetism
Y3 topics + Y4 selection	Chemistry 4 The water cycle	Physics 4 Sound as vibrations	Biology 4 Classify living things. Digestive system & teeth.

Maple – Y4/5	Physics 4 Electricity: simple circuits & conductors.	Chemistry 4 Changes of state.	Biology 4 Food chains.
Y 4 and Y5 selection	Biology 5 Life cycles of plants.	Chemistry 5 Understand mixtures & solutions. Know about reversible changes; identify irreversible.	Physics 5 Introduce gravity, resistance & mechanical forces.

Oak – Y5/6	Physics 5 Understand location and interaction of Sun, Earth & Moon.	Chemistry 5 Classify materials according to a variety of properties.	Biology 5 Describe changes as humans develop & mature.
Y5 selection and Y6 topics	Biology 6 Classification, including micro-organisms. Health & Lifestyles, incl. circulatory system. Evolution & Adaptation.	Physics 6 Light & Shadows; the eye. Forces, including gravity. Electricity: investigating circuits.	SAT revision of all KS2 topics for Y6 annually.

Staff from each class plan their 2 year cycle using science topics from the tables above, fitting the topics into wider curriculum planning as appropriate.