**Science KS2 Curriculum Overview**

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| 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. |

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| 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. |

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| **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.**