SCIENCE Sets W, X, Y, Z Light **Acids and Alkalis** Sound Curriculum Map: Year 8 • Properties of metals Metals and acids Metals and oxygen **AUTUMN TERM** • How the eye works • Testing for pH How the ear works Light as a spectrum Neutralisation How sound travels Metals and their Reflection and refraction · Common acids and alkalis • Properties of sound **Reactions** Cells **Adaptation & Variation SPRING Space Forces TERM** Animal cells • Types of forces The solar system Adaptation to hot climates Plant cells Effects of forces Phases of the moon Adaptation to cold climates Specialised cells Measuring forces Days and seasons Variation and Natural Selection Features of specialised cells All pupils in sets W, X, Y and Z will **Heating and Cooling** cover all units. The order may **Chemical Reactions** change to allow for sharing of lab **Plants** space and resources. Topics will be streamed covering KS1, 2 and 3 material in line with **SUMMER** the needs of each pupil group. **TERM** Parts of a plant Signs of a chemical reaction Heat transfer Germination Plant reproduction Rusting Conduction Seed dispersal Photosynthesis The fire triangle Convection Plant nutrition Testing for gases Radiation