Science Topic Overview

Year One	Year Two	Year Three	Year Four	Year Five	Year Six
Human Body & Senses Naming body parts Categorising 5 senses test and book making **Investigation:** smell & taste **Science Skills:** Predicting, recording data, setting up tests.	**Animals including humans** Balanced diet Exercise Survival - Animal young Growing up -life cycles **Investigation:**Heart rate and exercise **Science Skills:**Predicting recording, measuring, setting up tests	**Light** Shadows Reflections Light and dark Sun safety **Investigation:**Changing shadows **Science Skills:**setting up tests, predicting, interpreting and communicating data	**Animals including humans** Digestive system Animal teeth Human teeth **Investigation:**Tooth Decay **Science Skills:**making predictions, planning a fair test, interpreting and communicating data, observing	**Animals including humans** Babies/Gestation Puberty Old age Investigation:Classifying and identifying old age Science Skills:making predictions, recording data, interpreting and communicating data,evaluating	**Animals including humans** Circulatory system Heart and lungs Impact of substances on the body **Investigations:**Pulse investigation **Science Skills:**making predictions, recording data, calculating mean, interpreting and communicating data,evaluating
Seasonal Changes Effects on animals and humans in seasons Seasonal walk **Investigation:** Seasonal weather **Science Skills:** Interpreting data, evaluating, observing and measuring.	**Living things & habitats** Food chains Habitats Alive and dead **Investigation:**Microhabitats survey **Science Skills:**Observing, questions, recording data	**Rocks** Permeability Fossils Grouping rocks **Investigation:**Secondary School link (BTG) **Science Skills:** setting up tests, measuring, recording data	**Living things & habitats** Classification keys Grouping organisms Human impact **Investigation:** Creating a key **Science Skills:**interpreting and communicating data,	**Forces** Gears, levers and pulleys Water and air resistance Gravity and friction **Investigation**:Parachutes and air resistance **Science Skills**:making predictions, planning a fair test, interpreting and communicating data, observing	**Light** Colours of light Spectrum Refraction **Investigation**:Refraction **Science Skills**:making predictions, planning a fair test, interpreting and communicating data, observing
Animals including humans Identifying and naming mammals Categorising according to movement Comparing Identifying UK reptiles, birds, fish and amphibians. **Investigation:**Comparing frogs & toads **Science Skills:**Questions, observing, evaluating, recording data	**Plants** Seeds and bulbs Plants we eat What plants need **Investigation:** Bulb and seed comparisons **Science Skills:** making predictions, observing, recording data, measuring.	**Forces and magnets** Magnetic poles Pushes and Pulls Faster and slower **Investigation:**Magnet strength **Science Skills:**making predictions, recording data, interpreting and communicating data	**States of matter** Water cycle Gases Heating and cooling **Investigation:**Comparing weights of gases **Science Skills:**making predictions, planning a fair test, interpreting and communicating data	**Properties and changes of states of matter** Separating Dissolving Keeping cool **Investigation:** Heat conductors and insulators **Science Skills:**setting up tests, predicting, measuring, interpreting and communicating data, evaluating	**Living things & habitats** Classification Micro organisms Carl Linnaeus **Investigation:**Field trip classifying organisms **Science Skills:**measuring, observing, evaluating.

Plants Parts of plants Tree categorising How do plants grow? Bean planting **Investigation:** Planting Beans **Science Skills:** Observing, measuring, recording data, interpreting and communicating results	**Plants** Seeds and bulbs Plants we eat What plants need **Investigation:** Bulb and seed comparisons **Science Skills:** making predictions, observing, recording data, measuring	**Plants** Flowering plants Root absorption Life cycle of a plant **Investigation:** Effects of light, water and heat on plant growth **Science Skills**:setting up a test, predicting observing, measuring, recording data, interpreting and communicating data	**Electricity** Conductors and insulators Electrical appliances Switches Circuits **Investigation:** making circuits **Science Skills:** predicting, setting up tests, recording data	**Living things & habitats** Mammals, birds and reptiles Flowering plants Seed dispersal Plant cuttings Metamorphosis **Science skills:** measuring, observing, evaluating.	**Electricity** Circuits and symbols Volts Components of a circuit **Investigation:** planning a circuit with interchangeable components **Science Skills:**making predictions,fair test, recording data, interpreting and communicating data,evaluating
Everyday materials Testing properties Sorting Naming materials **Investigation:** Which material is waterproof? **Science Skills:**Questions, setting up tests, predicting, recording data	**Uses of Everyday materials** Recycling Changing shape Identifying uses Suitability **Investigation:**Comparing suitability **Science Skills:**questions, predictions, setting up tests	**Animals including humans** Skeletons Muscles Vertebrates and invertebrates Nutrients **Investigation:**Design your own vertebrate **Science Skills:**interpreting and communicating data, questions,predicting	**Sound** Sound proofing Higher and lower Vibrations **Investigation:**String telephone **Science Skills:**Observing and measuring, recording data, evaluating	**Earth and Space** History of astronomy Moon and Sun Solar System **Investigation:**length of days - data analysis **Science Skills:**predicting, measuring, interpreting and communicating data, evaluating	**Evolution and Inheritance** Adaptation and Evolution Inheritance Theory of evolution **Investigation:**Theory of evolution debate **Science Skills:interpreting data, communicating data, evaluating data.**