OLSR Science Curriculum Map

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Nursery	**All About Me** **Week 1:** My body has different parts and our faces are all different **Week 5:** There are 4 different seasons – focus on Autumn	**Journeys** **Week 4:** What grows around our school? **Week 5:** North and South Pole, Ernest Shackleton	**Dinosaurs** **Week 3:** Fossils, Dinosaurs and Palaeontologists	**Growing and Changing** **Week 1:** Seasons – Spring **Week 2:** Plants need water and light to grow **Week 3:** Animals grow and change **Week 4:** Growing food to eat **Week 5:** Humans grow and change over time.	**Animals and their babies** **Week 1:** Animals have babies **Week 2:** Farm animals **Week 3:** Woodland habitats **Week 4:** Wild and endangered animals **Week 5:** Arctic and Antarctic Animas	**Heroes and Adventurers** **Week 1:** Astronauts in Space **Week 2:** Ernest Shackleton and Antarctica
Reception	**All About Me** **Week 1:** My body has different parts – wrists, knuckles **Week 2:** Humans change over time (human life cycle) **Week 5:** Four Seasons – earth tilts, warmer weather – focus on Autumn, deciduous and evergreen trees.	**Transport Past and Present** **Week 2:** Forces – water transport **Week 4:** Ernest Shackleton, Antarctica, animals in cold habitats, changing states of matter (Ice) **Week 5:** Forces – moving vehicles	**Space** **Week 1:** Earth, sun, gravity **Week 2:** Astronauts (Tim Peake), Scientists (Mae Jemison) **Week 3:** Solar System (names of planets) & astronomers, rocky planets & gas planets **Week 4:** Stars, Galaxies (Galileo and Caroline Herschel) **Week 5:** Astronauts (Neil Armstrong) Mars Rover	**Growing and Changing** **Week 1:** Four Seasons – Spring & Summertime **Week 2:** Plants need water and light to grow – living things change throughout the year. **Week 3:** Animals grow and change – baby animal names, Chick lifecycle **Week 4:** Growing food to eat – harvest crops **Week 5:** Humans grow and change over time.	**Kings and Queens** **Week 2:** Four Seasons - Summer	**Stories from the Past**
Year 1	**Materials and Magnets** 1. Everyday materials 2. Properties of materials 3. Uses of materials 4. Magnets 5. Investigation 6. Assessment Lesson	**Animals and their needs** 1. Amazing animals 2. Grouping animals – fish, amphibians, reptiles, birds and mammals 3. Grouping animals – carnivores, herbivores, omnivores 4. Animals as pets 5. Describing animals 6. Assessment Lesson	**Seasons and Weather** 1. Four Seasons 2. Tools to record weather 3. Graph to show information about weather 4. Clouds – cirrus, cumulus and stratus 5. Weather forecasting 6. Assessment Lesson	**Plants** 1. What plants need 2. Parts of plants 3. Seeds 4. Deciduous and evergreen plants 5. Plants we eat 6. Assessment Lesson	**Human Body** 1. Our body and senses 2. Eyes and sight 3. Ears and hearing 4. Touch, taste and smell 5. Understanding sensory impairment 6. Assessment Lesson	
Year 2	**Materials and Magnets** 1. Materials and their uses 2. George de Mestral and Velcro 3. Matter under the microscope 4. Changing solid objects 5. Liquids and their properties 6. Assessment Lesson	**Astronomy** 1. Introduction to astronomy 2. Model the solar system 3. Orbit and rotation 4. The moon and its phases 5. Constellations 6. Assessment Lesson	**Living things and their environment** 1. Dead or alive 2. What is a habitat? 3. Rainforests and desert habitats 4. Meadow habitats 5. Underground habitats 6. Assessment Lesson	**Plants** 1. Plants around us 2. Seeds and bulbs 3. Comparative test (1) 4. Comparative test (2) 5. Food and farming 6. Assessment Lesson	**Human Body** 1. Animals, including humans, survival and offspring 2. The skeletal system, the muscular system and exercise 3. The digestive system and healthy eating 4. The circulatory system 5. Germs, diseases and preventing illnesses. 6. Assessment Lesson	

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Year 3	**Light** 1. Light and dark 2. Transparent and opaque surfaces 3. Mirrors and reflection 4 & 5 Investigating Shadows 6.Assessment Lesson	**Plants** 1. Botany and flowering plants 2. Requirements for life and growth 3. Water transportation in plants 4. Pollination in flowering plants 5. Seed dispersal 6. Assessment Lesson	**Forces and Magnets** 1. Forces (Gravity) 2. Friction 3. Magnets 4. Magnetic poles and fields 5. Investigating the strengths of magnets 6. Assessment Lesson	**Rocks** 1. Sorting rocks 2. How rocks are formed 3. Permeability 4. Fossils 5. Soil 6. Assessment Lesson	**Human Body** 1. The muscular system 2. The skeletal system 3. The nervous system 4. Preparing to eat 5. The digestive system 6. Assessment Lesson	
Year 4	**States of Matter** 1. States of matter 2. Evaporation 3. Condensation 4. Precipitation 5. The water cycle 6. Assessment Lesson	**Sound** 1. What is sound? 2. Speed of sound 3. Qualities of sound – pitch and volume 4. Human voice 5. Ears – how we hear 6. Assessment Lesson	**Classification of Plants and Animals** 1. Introduction to classification 2. Classes of vertebrates: fish and amphibians 3. Classes of vertebrates: reptiles, birds and mammals 4. Classes of invertebrates: insects, arachnids and molluscs 5. Classification of plants 6. Ecology Lesson 2 – Natural cycles 7. Assessment Lesson	**Electricity** 1. Electrical safety 2. Part of a circuit 3. Switches 4. Thomas Edison and Lewis Latimer 5. Investigating conductive and non-conductive materials 6. Assessment Lesson	**Human Body** 1. Cells and nutrients 2. Teeth and senses 3. Digestion 4. A healthy diet 5. Vitamins and minerals 6. Assessment Lesson	
Year 5	**Forces** 1. Forces including gravity 2. Air resistance, water resistance and friction 3. Guided investigation (paper drop) 4. Guided investigation (paper drop) 5. Pulleys, gears and levers 6. Assessment Lesson	**Materials** 1. Properties of materials 2. Which material is best? 3. Solubility 4. Separating materials – sieving, filtering and evaporating 5. Reversible changes – dissolving, mixing, change of state 6. Assessment Lesson	**Astronomy** 1. The Big Bang and the expanding universe 2. Gravity 3. Our solar system 4. The Moon 5. Our galactic neighbourhood 6. Assessment Lesson	**Living things and their environment** 1. Life cycles of plants and animals in our local area 2. Life cycles in mammals and amphibians 3. Life cycles of insects and birds 4. Reproduction in plants 5. The work of David Attenborough and Jane Goodall 6. Assessment Lesson	**Human Body** 1. Gestation and infancy 2. Adolescence and puberty 3. Slowing down 4. Growth in humans and animals 5. Preparation for assessment 6. Assessment Lesson	
Year 6	**Classification of Living things** 1. Classifying organisms 2. Cells: Plants and animal cells 3. Taxonomy 4. Vertebrates 5. Invertebrates 6. Assessment Lesson	**Electricity** 1. Simple series circuits 2. Parallel circuits 3. Switches 4. Planning an investigation 5. Investigation 6. Assessment Lesson	**Light** 1. How light travels 2. How we see 3. Shadows and their shapes 4. The colour of light 5. Making a periscope 6. Assessment Lesson	**Evolution** 1. Fossils and evolution 2. Inheritance 3. Adaption 4. Charles Darwin 5. Alfred Wallace 6. Assessment Lesson	**Human Body** 1. The Heart - circulation of the blood 2. Blood vessels and transport 3. Components of human blood 4. Blood pressure and heart rate 5. Heart rate – an investigation 6. Assessment Lesson	