Rosslyn Primary and Nursery School: Science Curriculum Coverage Map

Year Group	Observation Our World, Wellbeing	Pattern-Seeking Our World, Wellbeing, Innovation	Grouping and Classifying Our World, Wellbeing, Innovation	Investigation Community, Our World, Wellbeing, Innovation	Research Journeys, Our World, Wellbeing, Innovation
Year 1	The body-what is the same and different about your partners face? Plants- Observing plants closely. Materials- to identify and name a variety of materials.	Materials- floating and sinking. Plants- Observing plants closely.	Senses- matching senses to the body parts. The body- Classifying the different parts of the body. Plants- Identifying and classifying plants. Seasonal change- comparing spring and autumn. Animals and humans- grouping animals e.g. herbivore and carnivore. Animals that live on land/sea/countryside and city. Materials- exploring properties of materials. Materials- sorting materials into groups.	Senses investigation- tray of objects to match with which sense. Materials- floating and sinking. Materials- waterproof	Seasonal changes- learning about the different seasons. Naming and identifying body parts. Animals and humans- Healthy bodies- exercise and healthy foods. Animals and humans- How humans grow.
Year 2	Living things- Mini beast investigation Living things- Micro-habitats- in the forest Materials- comparing objects and materials. Materials- which material would be a best match. Plants- what plants need to grow. Plants- seed dispersal. Plants- bean in a bag.	Living things- Food chains Plants- do big seeds grow big plants? Humans- Do children get faster as they grow older?	Living things- comparing different habitats. Living and non-living. Living things- Mini beast safari Materials- classifying materials. Materials- how materials are used in different situations. Humans- healthy diet.	Living things- Mini beast investigation Materials- what are the properties of different materials? Materials- Do all metal objects have the same properties? Materials- can we change the shape of different objects? Plants- what different plants need to grow. Plants- Bean in a bag. Humans- Do children get faster as they grow older?	Living things-how animals are adapted to habitat. Living things- designing a suitable habitat. Materials- How inventors have made new materials. Animals- describing different life cycles. Humans- what we need to survive.
Year 3	Rocks- volcano ‘eruption’ investigation. Rocks- chocolate bar observation comparisons.	Light- how shadows change in a day in a graph.	Rocks- different kinds of rocks. Rocks- fossils.	Rocks- Volcano ‘Eruption’ investigation.	Rocks- what are volcanoes and earthquakes?

Rosslyn Threads: Power, Community, Journeys, Our World, Wellbeing, Innovation

	Rocks- different kinds of soils. Plants- identifying different parts of the plant. Animals inc. humans- muscle movements.	Light- shadow size compared to distance. Magnets- How strong is a magnetic field?	Plants- sorting different plants. Animals inc. Humans- different food types.	Rocks- testing different rocks against vocabulary. Light- testing different materials for reflection. Light- shadow size investigation. Magnets- measuring magnetic field. Magnets- testing magnets on different surfaces. Plants- water transportation in plants.	Rocks- fossils. Plants- fact file about plants. Plants- life cycle. Animals inc, humans- labelling skeleton.
Year 4	States of matter- looking at real life objects and grouping. Water cycle model. Animals inc. Humans- identifying teeth.	Water cycle- how weather/temperature effects water. Sound- do bigger instruments always make deeper sounds? Sound- patterns between pitch and volume.	States of Matter- Solids, liquids and gases- grouping. Electricity- objects that use electricity. Living things- grouping animals using classification keys. Living things- branching database for invertebrates. Living things- food chains.	States of matter- imposter experiment. States of matter- ice cube experiment. States of matter- melting chocolate experiment. Sound- can we show how sound travels? Sound- string telephones. Animals inc. humans- Tooth decay experiment with egg shells. Animals inc. Humans- tights investigation- digestive organs.	States of matter- wanted posters. Water cycle- diagram. Electricity- research mission packs. Time line of electrical items. Electricity- human circuit. Animals inc. Humans- functions of digestive system diagrams.
Year 5	Space – Day and Night, Seasons Changing Materials – Water absorption Changing Materials – Mixing materials and reactions Life Cycles – Observing parts of plants Forces – Air resistance and Gravity	Space – Moon Phases Changing Materials – Dissolving and dispersal Changing Materials – Mixing materials and reactions Life Cycles – Do bigger plants have bigger seeds? Forces – Making Parachutes	Space – Planets Changing Materials – Dissolving and Insolubility Life Cycles – Animals	Changing Materials – Water absorption Changing Materials – Dissolving and dispersal Changing Materials – Mixing materials and reactions Life Cycles – Do bigger plants have bigger seeds? Forces – Making Parachutes Forces – Air resistance and Gravity	Space – Scientists Forces – What Air resistance is? Life Cycles – Parts of plants Life Cycles – Scientific diagram of a flower

Year 6	Living things- Bob the Bird man- observing owls. Light- making a periscope. Light- broken into colours- refraction using torches, ray boxes and prisms. Humans- blood smoothies. Humans- blood pastel art.	Living things- transferring data about birds on graph. Living things- data from beak experiment. Electricity- construct a circuit to show variation of how components function. Humans- exercise pulse rate.	Living things- features of birds. Living things- identifying owls- bob the bird man. Humans- nutrients.	Living things- battle of the beaks experiment. Light- pin hole camera- how does light travel? Light- how are shadows formed? Electricity- construct a circuit to show variation of how components function. Humans- to show how our digestive system works.	Living things- Habitats. Effects of global warming- letter writing. Living things- who was Charles Darwin? Living things- what will birds look like 20 years from now? Light- how the eye works. Humans- role of the lungs and blood. Humans- labelling digestive system. Humans- drugs.