

St Catherine's Catholic Primary School Autumn Term 2017 Science Overview.

| Class Year | Topics Taught Autumn Term 2017-18 | Cross Curricular Links |
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| Rec | <p>Science is not taught separately in Reception, topics are linked and the direction of learning within this is child lead. This term the outcomes will look at similarities and differences in living things, how the environments vary and observations of plants and animals. These will be ongoing – i.e. - animals – pre historic dinosaurs and animals alive today, nocturnal animals.</p> | <p>it happens when a topic links or when a child leads it in order to achieve the Early Learning Goals</p> |
| 1 | <p>Ourselves (Animals, including Humans – the main part of this unit will be taught in the Spring Term). Identifying and naming the basic parts of the human body and say which part of the body is associated with each sense. Seasonal Changes (Autumn) Observe changes across the four seasons – focus Autumn. Observe and describe weather associated with the seasons and how day length varies. Materials: Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties. Investigations: Floating and Sinking and finding a suitable material for Sam Bears Umbrella. Ask simple questions Identify and classify Use their observations and ideas to suggest answers to questions Gather and record data to help answer questions.</p> | <p>English: speaking and listening – role play, doctor's surgery. Reading and writing: lists and labels. Maths - data presentation (pictograms of eye colour) DT – making a wind streamer.</p> <p>Geography: Weather – daily and seasonal weather patterns. Maths: measuring rainfall and temperature. English: Speaking and listening – role play, weather forecasting. Reading and writing weather reports. Reading and writing – matching labels, investigative reports.</p> |

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| 2 | <p>Everyday Materials – identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</p> <p>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p> | <p>Maths - data collection using tables and charts. Use of school grounds including the sensory garden.</p> <p>Art – use of materials.</p> <p>Great Fire of London Topic – suitability of materials now and then.</p> |
| 3 | <p>Animals (including Humans) – where will learn about classifying animals, food chains, food groups and nutrition and finally all about skeletons.</p> <p>Forces and Magnets – we will look at different types of forces and magnets and their uses.</p> | <p>Explanation Texts – English</p> <p>Maths – Venn diagrams</p> <p>Maths - graphs</p> <p>Art – sketching</p> <p>Maths – measuring</p> |
| 4 | <p>Habitats classifying animals using a branching data base</p> <p>Electricity</p> <p>Conductors and insulators</p> <p>Series circuits</p> | <p>History Dragon theme linked to classification of animals</p> <p>RE Creation recognising /appreciating similarities and differences in nature</p> <p>Art observational drawings of natural objectives using a range of mediums</p> |
| 5 | <p>Space , The Solar System ,Day and Night ,the Moon and its different phases, Planets ,Stars and Constellations.</p> | <p>History - who invented the telescope, the space race, First man on the moon.</p> <p>Art – Origami stars, design a planet using different materials</p> <p>RE - Creation v The Big Bang</p> <p>ICT - research skills</p> <p>English - newspaper reports , biography and recounts</p> <p>Homework – Space project</p> |
| 6 | <p>Living Things and their Habitats</p> <p>Microbes</p> <p>Famous scientists</p> | <p>Art and design – to design imaginary creature and classify using the Linnaean system</p> <p>Design technology – Bread making</p> <p>English – biography writing</p> |