

Essendon C of E Primary School (VC)

Encouraging Everyone's Light To Shine (Matthew 5:16)

Science Curriculum Map – Year A

Year A 20/2021

Value	Essendon Way	Love Yourself	Love Others	Love God	Love Learning	Love the World You Live In
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS Understanding the World	<p>Talk about past and present events in own lives.</p> <p>Talk about features of their own immediate environment.</p> <p>Children recognise that a range of technology is used in places such as homes and schools.</p> <p>Talk about the world in which we live. Discuss their hopes and wishes.</p>	<p>Talk about past and present events in lives of family members.</p> <p>Similarities & differences in relation to both man-made and natural materials.</p> <p>Complete simple program. Use ICT to support learning.</p> <p>Look at changes in the environment.</p>	<p>Talk about similarities & differences between self & others.</p> <p>Make observations of animals. Know how to operate simple equipment. (ICT).</p> <p>Complete simple program.</p> <p>Talk about how my body changes.</p>	<p>Talk about similarities & differences between own family & others.</p> <p>Similarities & differences in relation to living things.</p> <p>Complete simple program.</p> <p>Talk about how I can stay healthy.</p>	<p>Talk about similarities & differences between communities.</p> <p>Select & use technology for a range of purposes.</p> <p>Look at living animals and plants.</p>	<p>Talk about similarities & differences between different traditions.</p> <p>Similarities & differences in relation to places.</p> <p>Select & use technology for a range of purposes.</p> <p>Complete simple program.</p> <p>Consider materials around us</p>
Year 1 and 2	<p>Animals including humans</p> <p>Linda Buck</p> <p>Identifying and Classifying</p>	<p>Seasonal Changes Autumn & Winter</p> <p>Using their observations and ideas to suggest answers to questions</p>	<p>Materials</p> <p>Alexander Graham Bell</p> <p>Observing closely, using simple equipment</p>	<p>The Environment</p> <p>Perform simple tests, Identifying and classifying.</p>	<p>Plants</p> <p>Carl Linnaeus</p> <p>Asking simple questions and recognising they can be answered in different ways</p>	<p>Living things and their habitats</p> <p>Alfred Wallace – Human effects on the natural world</p> <p>Identifying and classifying</p>

Year 3 and 4	Plants, Animals and Humans		Rocks	Forces & Magnets Floating, sinking & compasses	Animals inc. humans – skeletons	Light & shadow
Year 5 and 6	Archimedes Forces – displacement, leverage, gravity Planning a fair test	Rosalind Franklin Animals including humans (Y5) Making accurate observations	R J Mitchell Properties and changes of materials Reporting and presenting findings	Dr Alice Roberts States of matter – solids, liquids, gases Using data to make predictions	Katherine Johnson Earth and space Understanding how scientific ideas have developed over time	David Attenborough Living things and their habitats Using scientific equipment correctly

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Science Curriculum Map – Year B

Year B 2020/2021

Value	Essendon Way	Love Yourself	Love Others	Love God	Love Learning	Love the World You Live In
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS Understanding the World	<p>Talk about past and present events in own lives.</p> <p>Talk about features of their own immediate environment.</p> <p>Children recognise that a range of technology is used in places such as homes and schools.</p> <p>Talk about the world in which we live. Discuss their hopes and wishes.</p>	<p>Talk about past and present events in lives of family members.</p> <p>Similarities & differences in relation to both man-made and natural materials.</p> <p>Complete simple program. Use ICT to support learning.</p> <p>Look at changes in the environment.</p>	<p>Talk about similarities & differences between self & others.</p> <p>Make observations of animals. Know how to operate simple equipment. (ICT).</p> <p>Complete simple program.</p> <p>Talk about how my body changes.</p>	<p>Talk about similarities & differences between own family & others.</p> <p>Similarities & differences in relation to living things.</p> <p>Complete simple program.</p> <p>Talk about how I can stay healthy.</p>	<p>Talk about similarities & differences between communities.</p> <p>Select & use technology for a range of purposes.</p> <p>Look at living animals and plants.</p>	<p>Talk about similarities & differences between different traditions.</p> <p>Similarities & differences in relation to places.</p> <p>Select & use technology for a range of purposes.</p> <p>Complete simple program.</p> <p>Consider materials around us</p>
Year 1 and 2	<p>Animals including humans Louis Pasteur</p> <p>Performing simple tests</p>	<p>Scientists and Inventors Mae Jamison</p> <p>Asking simple questions and recognising they can be answered in different ways</p>	<p>Materials Stephanie Kwolek John McAdam</p> <p>Using their observations and ideas to suggest answers to questions</p>	<p>Living things and their habitats Jane Goodall – animal behaviour</p> <p>Gathering and recording data to help in answering</p>	<p>Seasonal Changes Spring & Summer Isaac Newton – light & rainbows</p> <p>Observing closely, using simple equipment</p>	<p>Plants Tom Hart Dyke</p> <p>Gathering and recording data to help in answering questions</p>

				questions – link to the BBC Big Birdwatch		
Year 3 and 4	Living things and their habitats	States of matter/materials and their properties	States of matter	Electricity	Sound	Animals inc. humans – teeth & digestion
Year 5 and 6	Animals including humans (Y6) Work scientifically	Electricity Ask questions and carry out fair and comparative tests	Scientists and Inventors Use scientific evidence and secondary sources of information	Evolution and Inheritance Identify, classify, record and predict	Light Draw conclusions, notice patterns and present findings	Living things and their habitats (Y6) Observe and manage changes