



St Charles Catholic Primary School: (Twinkle Scheme of Work) Science Long Term Plan

EYFS KS1	Advent 1	Advent 2	Lent 1	Lent 2	Pentecost 1	Pentecost 2
Class 1	Animals including Humans (Year 1 objectives) <i>Creation: How can we care for animals and people as part of God's creation?</i>	Seasonal Changes (Autumn and Winter) (Year 1 objectives) <i>Creation: How can we look after nature in each season?</i>	Everyday Materials (Year 1 Objectives) <i>Creation: What materials has God created for us to use in our natural world?</i>	Seasonal Changes (Spring and Summer) (Year 1 objectives) <i>Option for the poor: How might some people need extra care in different seasons?</i>	Plants (Year 1 objectives) <i>Creation: How can we care for plants so that they grow well?</i>	Scientists and Inventors * (Year 1 objectives) <i>Work and participation: Which scientists and inventors have helped others?</i>
Class 2	Animals including Humans (Year 2 objectives) <i>Creation: How can we care for all of God's creatures?</i>	Living things and their habitats (Year 2 objectives) <i>Creation: Why do you think God wants us to look after different habitats of the world?</i>	Uses of Everyday Materials (Year 2 objectives) <i>Creation: What materials can we reuse or recycle to help care for God's world?</i>	Biodiversity and Minibeasts * (Year 2 objectives) <i>Creation: Why are mini beasts important in God's world?</i>	Plants (Year 2 objectives) <i>Creation: Why is it important to care for plants that help people, animals and our world?</i>	Scientists and Inventors * (Year 2 objectives) <i>Work and participation: How do scientists and inventors use their work to help other people and make the world a better place?</i>



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*Additional Non-statutory

KS2	Advent Term			Lent Term		Pentecost Term	
Class 3	Animals including humans (Year 3 objectives) Human Dignity: Although we are animals, how are we special in God's eyes?	Forces and Magnets (Year 3 objectives) Common Good: How can our understanding of forces and magnets be used to help others?	Electricity (Year 4 objectives) Creation: How can we use electricity responsibly to care for God's creation?	Rocks (year 3 objectives) Common Good: How can we use rocks wisely to ensure everyone (now and in the future) can use this resource fairly?	Plants (Year 3 objectives) Solidarity: Do all parts of the world have the same conditions that plants need to grow? How will this affect food in different parts of the world?	Light (year 3 objectives) Peace: Celebrating differences: How can we ensure that no one is left 'in the shadows'?	Sound (Year 4 objectives) Dignity: How can we use our understanding of sound to help people who are hearing impaired?
Scientists and Inventors*	Marie Curie	Archimedes	Lewis Howard Latimer /Edison (Y4)	William Smith	Jeanne Baret	Thomas Edison	Alexander Bell James West / Gerhard Sessler
Class 4	Animals including humans (Y4 obj) Human Dignity: How can we care for animals and our own bodies in a way that respects God's creation?	Animals including humans (Y5 obj) Human Dignity: How do humans need different care at different stages of their life?	Earth and Space (Y5 obj) Solidarity: How can learning about space inspire us to take more care of our own planet and the people on it?	Living things and their habitats (Y4 objectives) Solidarity: How do our actions affect not just humans but all living things?	Living Things and their habitats (Y5 objectives) Solidarity: How do our actions affect not just humans but all living things?	States of Matter (Year 4 objectives) Creation: How can a knowledge of solids and liquids help us to protect our polar ice caps?	Properties and changes of Materials (Year 5 objectives) Creation: How can we use materials responsibly to care for God's creation?
Scientists and Inventors*	Washington Sheffield	David Attenborough	Margaret Hamilton Neil de Grasse	Gerald Durrell	Eva Crane	Antoine Lavoisier and Joseph Priestley	Stephanie Kwolek
Class 5	Animals including humans (Year 6 objectives) Dignity: How can we respect and protect the dignity of the human body and all living creatures as part of God's creation?	Living things and their habitats (Year 6 objectives) Creation: Why is protecting habitats important for both science and our faith?		Forces (Y5 Obj) Solidarity: How can we use our understanding of forces to design helpful solutions that support and care for others?	Light (Year 6 objectives) Common Good: How can our understanding of light and how we see be used to help others?	Electricity (Year 6 objectives) Common Good: How can we use electricity responsibly and ensure fair access to energy for all people?	Evolution and Inheritance (Year 6 objectives) Peace: How does learning about evolution and inheritance help us to understand similarities and differences between living things?
Scientists and Inventors*	Marie Maynard-Daly	Libby Hyman		Leonardo di Vinci (Y5)	Stephen Hawkins	Steve Jobs	Mary Leakey
Optional Additions:	Reduce, Reuse Recycle (Year 3 objectives) Creation: How does recycling show that we are caring for God's creation?	Reduce, Reuse Recycle (Year 5 objectives) Option for the poor: How does re-using and re-cycling help us to help others?		Reduce, Reuse Recycle (Year 4 objectives) Creation: How does reducing waste show good stewardship of our earth?			