



St. Peter's Science Curriculum Map



	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Reception	The Human Body: 1. My body has many different parts. 2. My body can do amazing things. 3. Humans change over time 4. Families grow and change over time. Seasons 1. There are four seasons; spring, summer, autumn and winter. 2. During Autumn, some trees lose their leaves.	Many moving toys have wheels. We can use an axle to help our wheels to turn.	We live on Earth. People have been looking into space and asking questions for many years. People who travel into space are called astronauts. Astronauts live and work on the International Space Station There are planets in our solar system. The planets in our solar system are very different. The stars we see in the sky are very far away. People have told stories about the stars for many years. Astronauts have walked on the moon. The Mars Rover is a robot that is exploring Mars.	We have four seasons on earth; spring, summer, autumn and winter. People and places change over time Plants need water and light to grow. Living things, such as plants, grow and change throughout the year. Animals grow and change. Caterpillars change into Butterflies. (Change as appropriate) We can grow food to eat Farmers harvest crops for us to eat We grow and change throughout our lives. When we become adults there are many different things we can do.		
Year 1	The Human Body 1. Introduction to Our Body and Our Senses 2. Eyes and Sight 3. Ears and Hearing 4. Touch, taste and smell	Animals and their Needs 1. Amazing Animals (Introduction to Animals) 2. Grouping animals: fish, amphibians, reptiles, birds and mammals	Seasons and Weather 1. The four seasons 2. Tools to record the weather 3. Using a graph to show information about the weather	Taking Care of the Earth 1. Taking Care of the Earth 2. Earth's Natural Resources 3. Logging	Plants 1. What plants need 2. Parts of plants 3. Seeds 4. Deciduous and evergreen plants 5. Plants we eat	Materials and Magnets 1. Everyday Materials 2. Properties of Materials 3. Uses of Materials 4. Magnets 5. Investigation 6. Assessment

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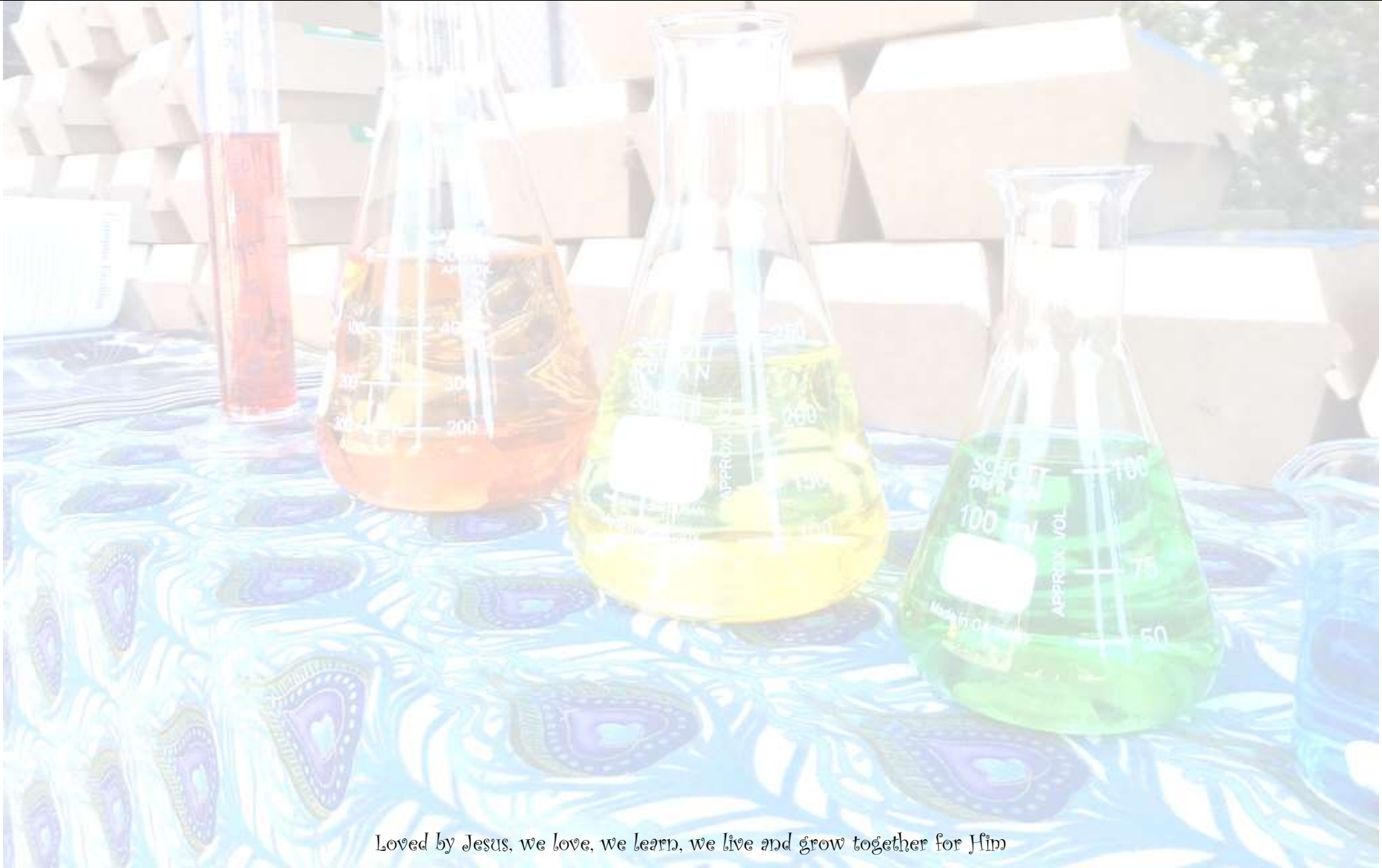
	5. Understanding Sensory Impairment 6. Assessment	3. Grouping animals: carnivores, herbivores and omnivores 4. Animals as pets 5. Describing animals 6. Assessment	4. Clouds and what they tell us: cirrus, cumulus and stratus 5. Weather forecasting 6. Extra lesson: Dangerous weather around the world 7. Assessment task: Identifying and describing weather	4. Pollution 5. Recycling 6. Assessment	6. Assessment	
Year 2	The 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 illness 6. Assessment lesson	Living things and their environments 1. Dead or Alive 2. What is a habitat? 3. Rainforest and Desert habitats 4. Meadow habitats 5. Underground habitats 6. Assessment	Electricity- Physics 1. Introduction to Electricity 2. Safety 3. Exploring Circuits (A) 4. Exploring Circuits (B) 5. Investigating Conductive and non-conductive materials 6. Assessment	Plants- Biology 1. Plants around us 2. Seeds and bulbs 3. Comparative test 1 4. Comparative test 2 5. Food and Farming 6. Assessment - How does a seed work?	Materials and Matter 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	Astronomy 1. Introduction to Astronomy 2. Model the Solar System 3. Orbit and Rotation 4. The Moon and its Phases 5. Constellations 6. Assessment
Year 3	The Human Body 1. The Muscular System 2. The Skeletal System 3. The Nervous System 4. Preparing to Eat 5. The Digestive System 6. Assessment	Cycles in Nature 1. The Four Seasons (prior learning) 2. Seasonal Cycles in Plants 3. Life Cycle of a Plant 4. Animal Migration 5. Life Cycle of a Frog 6. Assessment	Light- Physics 1. Light and Dark 2. Transparent and Opaque Surfaces 3. Mirrors and Reflection 4. Part 1 - Shadows 5. Part 2 - Finding Patterns in Changing Shadows 6. Assessment	Plants- Biology 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 7. Optional Lesson: George Washington Carver	Rocks 1. Sorting rocks 2. How Rocks are Formed 3. Permeability 4. Fossils 5. Soil 6. Assessment	Forces and Magnets 1. Forces (Gravity) 2. Friction 3. Magnet 4. Magnetic Poles and Fields 5. Investigating the strength of magnets 6. Assessment

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Year 4	The Human Body 1. Cells and Nutrients 2. Teeth and Senses 3. Digestion 4. A Healthy Diet 5. Vitamins and Minerals 6. Assessment	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. Assessment	Ecology- Biology 1. Living Things and Habitats 2. Natural Cycles 3. Web of Living Things 4. Air Pollution - A Human Threat to the Environment 5. Ecology in our Local Areas 6. Assessment	Sound- Physics 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	States of Matter 1. States of Matter 2. Evaporation 3. Condensation 4. Precipitation 5. The Water Cycle 6. Assessment: The Water Cycle	Electricity 1. Electrical Safety 2. Parts of a circuit 3. Switches 4. Thomas Edison and Lewis Latimer 5. Investigating conductive and non-conductive materials 6. Assessment
Year 5	The Human Body 1. Gestation and Infancy 2. Adolescence and Puberty 3. Slowing Down 4. Growth in Humans and Animals 5. Preparation for Assessment (research and scientific drawing) 6. Assessment	Materials 1. Properties of materials 2. Which material is best? 3. Solubility- which materials are most soluble/what solubility means 4. Separating mixtures- sieving, filtering, and evaporating 5. Reversible changes- dissolving, mixing, change of state 6. Assessment	Living Things and their Habitats 1. Life Cycles of Plants and Animals in our Local Area 2. Reproduction in Plants 3. Life Cycles of Mammals and Amphibians 4. Life Cycles of Insects and Birds 5. The Work of David Attenborough and Jane Goodall 6. Assessment	Forces-Physics 1. Forces Including Gravity 2. Air Resistance, Water Resistance and Friction 3/4. Guided Investigation: Paper Drop 5. Pulleys, Gears and Levers 6. Assessment	Astronomy 1. The Big Bang and the expanding universe 2. Gravity 3. Our Solar System 4. The Moon 5. Our Galactic neighbourhood 6. Assessment	Meteorology 1. Meteorology and the Atmosphere 2. The Ozone Layer 3. Air Movement 4. Cold and Warm Fronts 5. Thunder and Lightning 6. Assessment
Year 6	The Human Body 1. The Heart: Circulation of the Blood 2. Blood Vessels and Transport 3. Blood Pressure and Heart Rate 4. Heart Rate- an Investigation	Classification of Living Things 1. Classifying organisms 2. Cells: Plant and Animal cells 3. Taxonomy 4. Vertebrates 5. Invertebrates 6. Assessment	Electricity – Physics 1. Simple Series Circuits 2. Voltage 3. Switches 4. Planning an Investigation 5. Investigation 6. Assessment	Light Physics 1. How Light Travels 2. How We See 3. Shadows and Their Shapes 4. The Colour of Light 5. Making a Periscope 6. Assessment	Reproduction 1. Asexual reproduction 2. Sexual reproduction in non-flowering plants 3. Sexual reproduction in flowering plants 4. Reproduction in animals 5. Growth stages 6. Assessment	Evolution 1. Fossils and Mary Anning 2. Inheritance 3. Adaptation 4. Charles Darwin 5. Alfred Wallace 6. Assessment

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	5. Heart Rate– an Investigation continued 6. Assessment 7. Optional extra lesson: components of blood					
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