

Science Learning Journey

'I am among those who think that science has great beauty.' **Marie Curie** What are Micro-organ How does the number of bulbs in a circuit affect their What do offspring inherit What is the circulator Who was Charles Darwin and Are drugs bad for us? What is in our blood? in instructions? TO TO from their parents? what did he do? Who was Carl Linnaeas and How can circuits be **Electricity Animals, including Humans Evolution and Adaptation** changed? What is the process of evolution? How does the voltage in a Hoe do our lifestyle choices What is evolution, how does What do all the parts of the In what ways can we sort circuit affect the brightness of a bulb? How does exercise affect our it happen and how do living things? affect how our body works? bodies? circulatory system do? scientists know? What happens in the Do all plants and animals How do our eyes work? hat happens to us as we How do we see colour? eproduce in the same way? 0 **(3)** low are living things classified? What is the lifecycle of a insect? Light **Animals, including Humans** 6 **(3)** How do we see things the What colour is white light? How do periscopes work? Does the size of an animal How do we change as we affect its gestation period? What is the lifecycle of a Can all materials be separated? What is air resistance and What is the lifecycle of How can we change How and why do objects mammal? (A) How are forces used in how does it work? materials? everyday objects? Living Things & their Who is Mae Jemison and Habitats **Forces Properties & Changes in Materials** What are the phase of the How do flowers repro Who was Isaac Newton and What is water resistance and what did he do? thermal conductors? how does it work? What is the solar system? Who is David What do we need to make Attenborough and what What is electricity? a circuit? 2Year low does the movement of How does the movement of the Earth affect our lives? **Living Things and their Habitats** Electricity Who was Ludwig Van 亩 Beethoven and what did What can we do with How do habitats change he do? How does electricity flow? What is the universe and vertebrates? How fast does sound in the food chain? Where is an animal's place What is the digestive system? How are solids, liquids and gasses different? Why is it important that animals, including Year humans, get the right (44) **Animals, including Humans States of Matter** How does the speed of vibrations affect the pitch of the sound produced? How do we hear sounds? How does water exist in all three states of matter? Do all solids have the same melting point? What do out bodies do W What happens to muscles with the food we eat? different foods? What are the different when we move? parts of a skeleton and Does the sizes of a What conditions are What is a force and what magnet affect its Do forces need contact to act on an object? do they do? happen? strength? germinate and grow? * * **Plants Forces & Magnets** What foods have the best nutritional value? How are shadows created? What does the function of How are seeds dispersed. How do forces work? Do all magnets attract? daily lives? a stem in a plant growth and survival? How are soils formed and What are the different How can rocks be What materials are Who was John McAdam uses of materials? classified? How are fossils form and what did he do? 8 What are the useful properties of material How do we see objects? Rocks **Everyday Materials** How can some materia What are the different types of rocks? How do we choose the what did he do? best material for a job? why are they important to and what did she do? be changed? different parts and what are their do plants ... stay alive? What foods do I need to What do plants need to Living, dead or never alive How are plants adapted to How does a plant grow eat to be healthy? - how can you to H2 Animals, including Hu-How and what do plants (3) from a seed? need to grow? 7 What are the different when I exercise? parts of a plant? **Living Things & their Habitats Plants** How do deciduous and What do I need to grow and stay healthy? evergreen trees change What do animals look like throughout the year? How do plants grow? Who was George when they are first born? ow are animals adapted Washington Carver and to their environment? How do we know what **Plants** How many birds and How many birds and type of tree we can see? Who was Zaha Hadid and What do we know about What are the different animals can I see in animals can I see in the weather? types of animals? are there around us? what did she do? Summer? what has she done? Year How do we know what type of plant we can see? **Animals, including Humans Everyday Materials Seasonal Change** What are the things that I use made from? How does the weather change throughout the How can we describe a What are the different What are the five senses Which animals are parts of my body called? and what do they do? What is the weather like carnivores, herbivores & for certain jobs? in Autumn compared to

Spring?

the rest of the year?

omnivores?