

Year 3 Science:

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| Animals including Humans | Know that animals including humans can't make their own food; they get nutrition from what they eat |
| | Know that animals including humans need the right type and amount of nutrition |
| | Know that humans and some animals have a skeleton |
| | Understand the purpose of the skeleton (support, protection and movement) |
| Plants | Identify and describe the different parts of flowering plants (roots, stem/trunk, leaves and flower) |
| | Know what plants need to grow (air, light, water, nutrients from soil and room to grow) |
| | Know that different plants need different things to grow |
| | investigate the way in which water is transported in plants |
| | Explore how important the flower is in the life cycle of a plant (pollination, seed formation and seed dispersal) |
| Rocks | Compare and classify different kinds of rocks (appearance and simple physical properties) |
| | Describe in simple terms how fossils are formed |
| | Recognise that soils are made from rocks and organic matter |
| Light | Recognise that light is needed in order to see things |
| | Recognise that dark is the absence of light |
| | Notice that light is reflected from surfaces |
| | Recognise that light from the sun can be dangerous |
| | Know that there are ways to protect eyes from the sun |
| | Recognise that shadows are formed when the light from a light source is blocked by a solid object |
| | Find patterns in the way that the size of shadows change. |
| Forces and Magnets | Compare how things move on different surfaces |
| | Notice that some forces need contact between two objects, but magnetic forces can act at a distance |
| | Observe how magnets attract or repel each other and attract some materials and not others |
| | Compare and classify a variety of everyday materials on the basis of whether they are attracted to a magnet |
| | Identify some magnetic materials |
| | Know magnets as having two poles |
| | Predict whether two magnets will attract or repel each other, depending on which poles are facing. |