

<u>Cove Junior School</u> Skills and Knowledge Assessment Overview Science

<u>Year 3</u>

Tear 3 Autumn 1 'Blooming Marvellous'	
Plants	Diante de net est feed es heurs te melos their euro
•	Plants do not eat food so have to make their own.
•	This lood provides then with energy, and materials to grow
•	the sup
•	The water is taken up through the roots from the soil
	The carbon diovide is taken in through the leaves
•	As well as food, plants also make oxvoen which is given out back into the air through the leaves
Year 3	Autumn 2 'Food Glorious Food'
Food groups	
•	Animals need a variety of foods to help them grow and survive. The main food groups are:
	 Meat, dairy and pulses provide protein for muscles.
	 Grains and root vegetables provide carbohydrates for energy.
	 Fat for insulation and energy.
	• Fruit and vegetables for minerals, vitamins and fibre. These are essential to keep our bodies
	working well and protect us from illnesses.
•	Humans require a balanced diet to remain healthy but healthy diets vary depending upon the type of
	activity that humans do.
Year 3	Spring 1 'Digging Up the Past'
The dif	ferent types of rocks
•	A rock is a solid material made up of minerals forming part of the surface of the Earth
•	Rocks are exposed on the surface at cliffs, hills and mountains but are also under the surface.
•	Some rocks, called ores contain metals
•	Some rocks are made of grains squashed together and can contain the remains of long-dead organisms,
	called fossils. This type of rock is called sedimentary rock, an example would be limestone, sandstone
	or mudstone
•	Some rocks are made of crystals that are locked tightly together. These are called igneous and
	metamorphic rocks; an example of igneous rock is granite, and an example of metamorphic rock is slate
The properties of rocks	
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	metamorphic rocks; an example of igneous rock is granite, and an example of metamorphic rock is slate
•	These three types of rocks all have different properties to each other, including porosity , hardness , reaction to chemicals
•	The properties of the rock depend on how the rock was formed, e.g. Some igneous rocks form from lava
The	trom voicanoes and cool very quickly leading to very small crystals
The str	Soil is made up of small broken down pisses of rock
•	Soil contains a range of different size rock pieces a guerand graine or stores
•	Soil also contains a range of uniferent size rock pieces, e.g., sand grains of stories.
•	Soil made of very fine rock is called silt or clay
Year 3 Spring 2 'It's a mystery'	
What magnets do?	
•	Magnets exert attractive forces on some metals
Magnets don't need to touch	
•	Magnetic forces work through other materials including air, so magnets don't need to be touching to exert
	their force. It is called a non-contact force
Magne	s attract and repel
٠	Each end of a magnet is called a pole, opposite poles are called north and south.

- If an object is perfectly reflective, light will bounce back off it and we will see reflections of objects. •
- If the material is translucent, it will allow light through, but we won't be able to see through it.