

Science at Park and Parkwall



Examples of Working Walls, displays and vocabulary pyramids...



Investigations and experiments...



Recording science in a variety of ways...

Tuesday 10 November

How durable are different types of rock?

Make a table with 5 rows and 2 columns. The first column is for the type of rock and the second column is for the number of marks.

Rock	Score
Sedimentary	5
Metamorphic	5
Igneous	8
Obsidian	8
Granite	15

How durable are different types of rock?

What do we need to know to answer the question? How will we find this out?

What happened when we rubbed the rock on sandpaper?

Sedimentary - sandstone

When you rub sandstone on sandpaper it will wear down. This is like erosion. This is not durable.

Metamorphic - graphite

When I rubbed my graphite against the sandpaper lots of it came off so it's not durable.

Igneous - Obsidian

How can rocks be grouped?

Rocks can be grouped based on how they are formed.

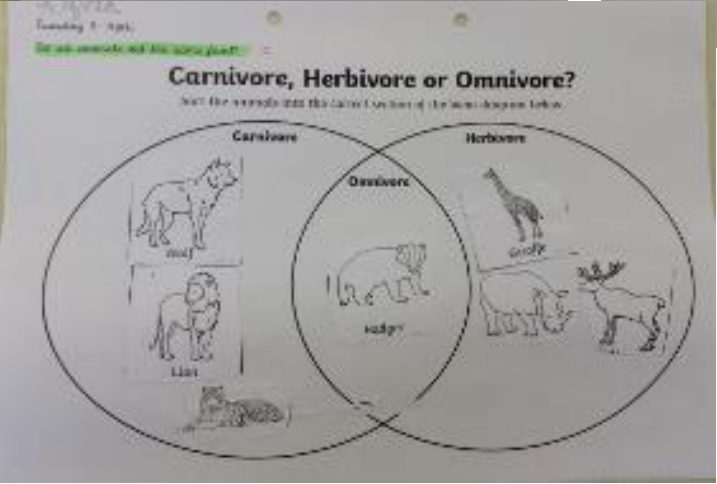
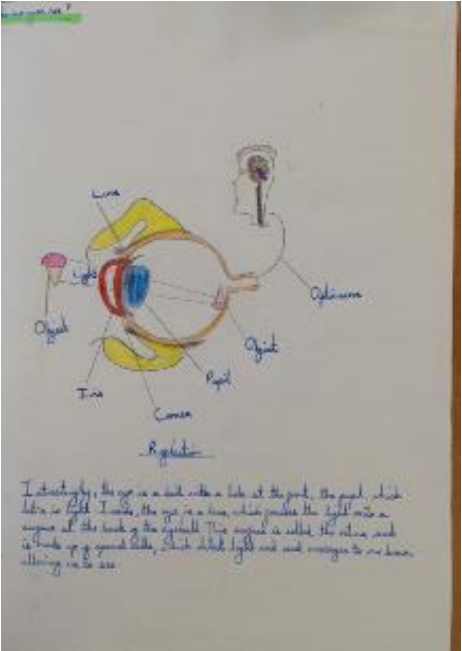
Sedimentary rocks are formed when layers of sediment build up and push down making sedimentary rocks. Igneous rocks are formed when lava cools down outside the volcano. Intrusive igneous rock is formed when magma cools down inside the volcano.

Metamorphic rock is formed when igneous and sedimentary rock get pushed together and make metamorphic rock but this can take a long time it's called metamorphism.

Rocks can also be grouped based on their properties. Slate is a metamorphic rock can be used for roof tiles. Marble is durable it can be used for statues and palaces. Granite is durable and it can be used for buildings and pavings. Obsidian is hard and it can be used for building. Some rocks like sandstone are not durable. Some rocks are natural some are human made.

Loop tile made from slate

Igneous rock formed when lava or magma cools down



How do we see things?

Light enters the eye through the cornea and is focused by the lens onto the retina. The retina contains photoreceptors which detect light and send messages to the brain.

Diagram of the eye showing the cornea, lens, retina, and optic nerve.

What the children say about science...

“We are scientists in our home corner because we have lab coats and equipment.” (Y1)

“Sometimes we go outside for science that’s the most fun.” (Y1)

“Finding out science things makes our brain get stronger.” (Y1)

“We do lots of experiments.” (Y3)

“Science is easier to remember because we do it all of the time.” (Y5)

“Sometimes we do the experiment and sometimes we write about it after. Sometimes we get to do experiments again to see if something different happens.” (Y6)