

Science Week: Working Scientifically

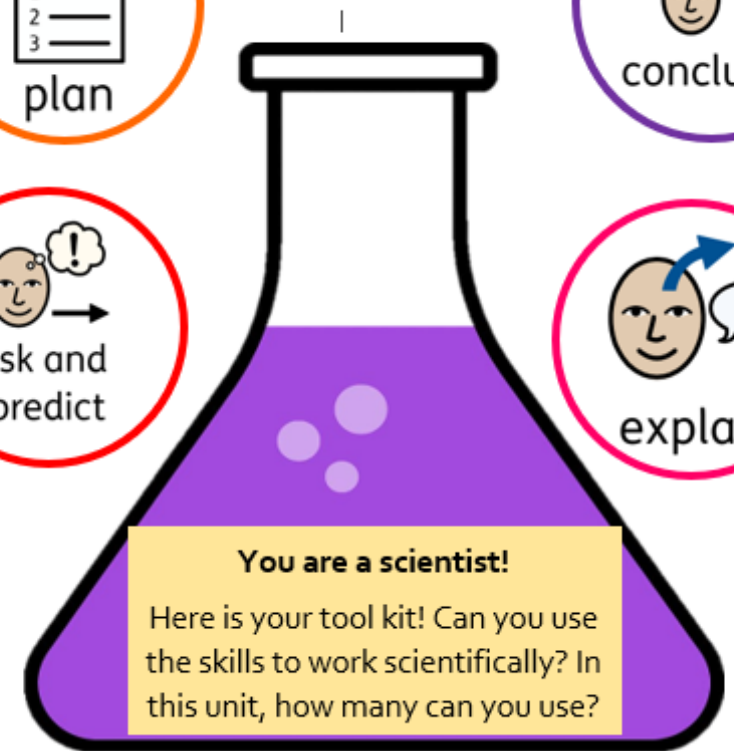
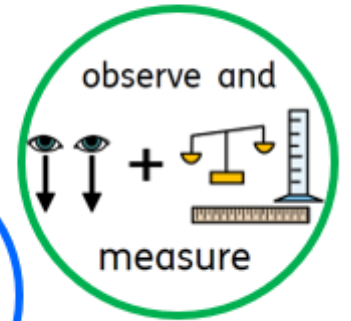
Electronic Floor Book

Parklands – June 2024

Each class was paired with a class in another year group.

They did the same experiments but showed scientific progression through: vocabulary, scientific questioning, recording, observations, explanations and conclusions. They shared their learning with their paired class

Working Scientifically



EYFS

We have been exploring reactions!



We explored what would happen if we dropped coloured vinegar onto baking soda.



We made straw rockets which would fly when we blew into the straw!

We made magic milk! We observed what happened to coloured milk when we dipped in a cotton bud covered in washing up liquid – the colours moved!



We observed the reaction of mixing warm water with fizzy tablets in a bottle – it shot off like a rocket!



Orchard & Forest

We also tested whether different plastic samples floated or sank. We discussed how this could impact on our planet and oceans.

We conducted an experiment to see what happens when you mix milk and vinegar together! We made predictions about what we thought would happen and were very surprised that when mixed together they made plastic!



I think that the mixer will separate.

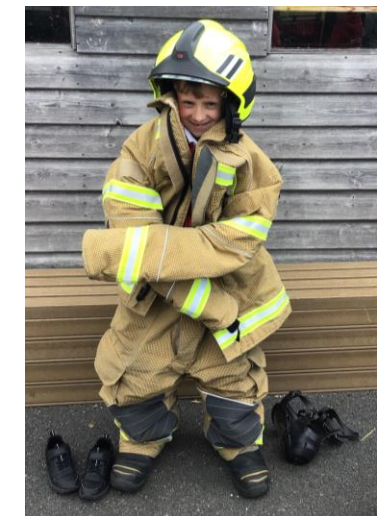


Plastic Sample Number	Floated/Sank	Does it snap?
A	X ✓	X
H	✓	✓
F	✓	✓
E	✓	X
C	X ✓	X

This week we have been learning all about different materials and their properties.



We also took the opportunity to ask the Fire Service what materials their special equipment was made from and why!



Year 1 and Year 4



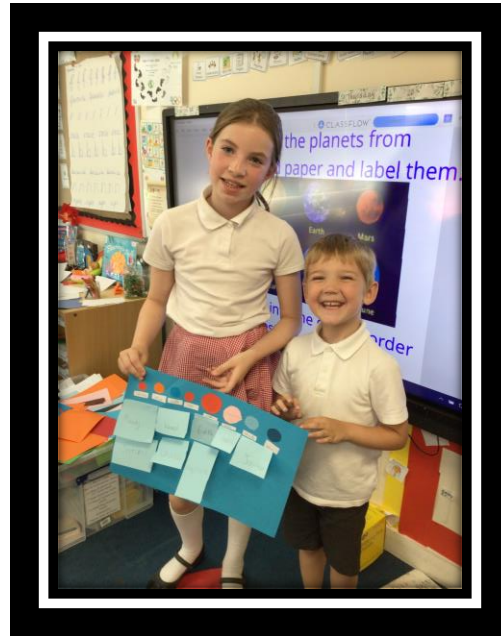
Our Amazing Solar System

We shot off into space to look at the planets that make up our solar system. We used fruit of various sizes to represent the planets and sang a solar system song. Together we made posters of the solar system, labelling the planets and researching important information. Then we made rockets and shot them into space so we could see the planets ourselves!



Year 1 and Year 4

Our Amazing Solar System



Year 2



Year 2 explored

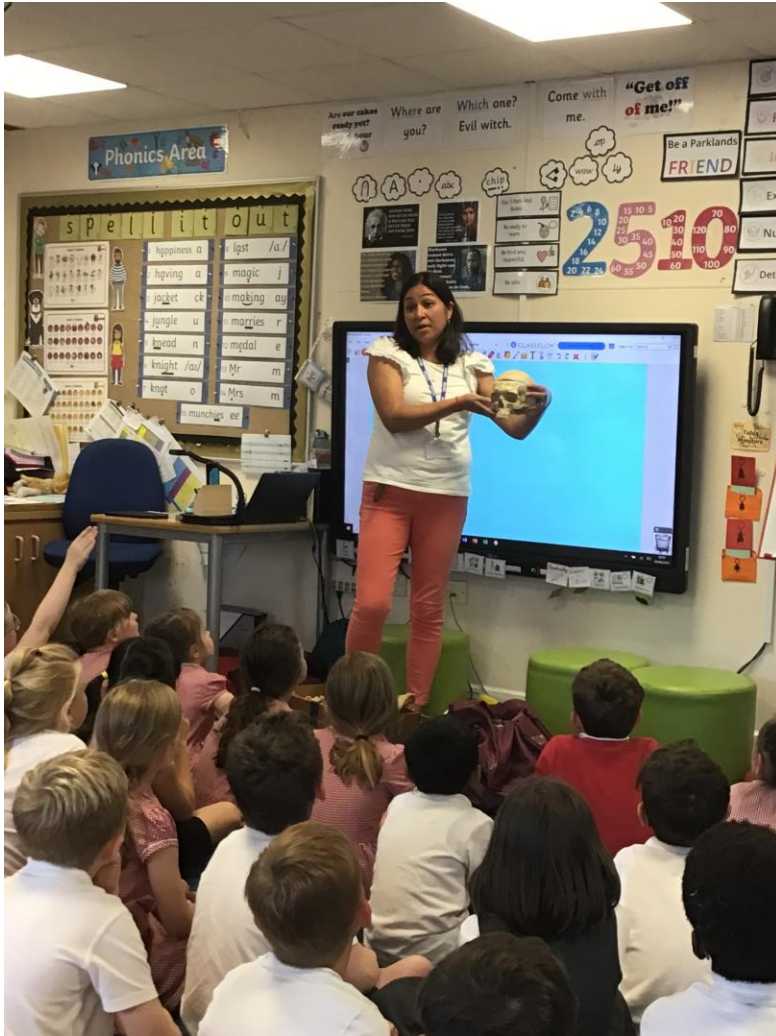
chemical reactions.

We made lava lamps using oil, water, food colouring and fizzy tablets.

Using milk, food colouring and soap, we made colour swirls.



Year 2 Our visitor was Dr Munir. She brought in real bones! We also tried out other medical equipment like stethoscopes. Such fun!



Year 5 & 2

chemical reactions.

We enjoyed sharing our experiments with the Year 2s.



We started our week with a STEM talk from our guest about his work and business! It was inspiring.



We used purple cabbage water to decide whether liquids were acidic or alkaline. When the water turned **pink**, the liquid was **acidic**, if it went **blue**, it was an **alkaline**.



We tested liquids by mixing them with bicarbonate of Soda powder to see which ones fizzed and released CO₂. Using this, we predicted which solution would inflate our balloon.

Winner: Vinegar and bicarbonate of Soda.

Year 3 & 6

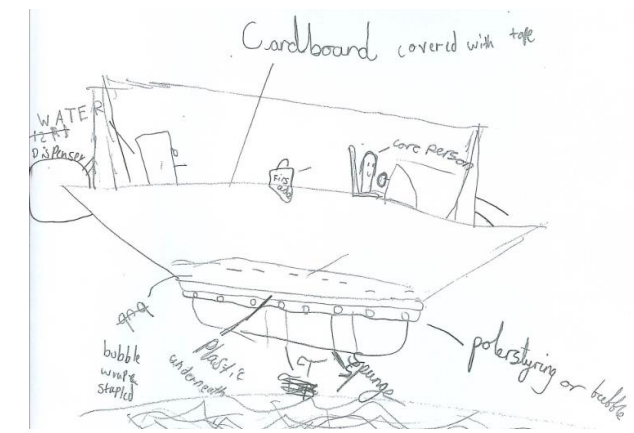
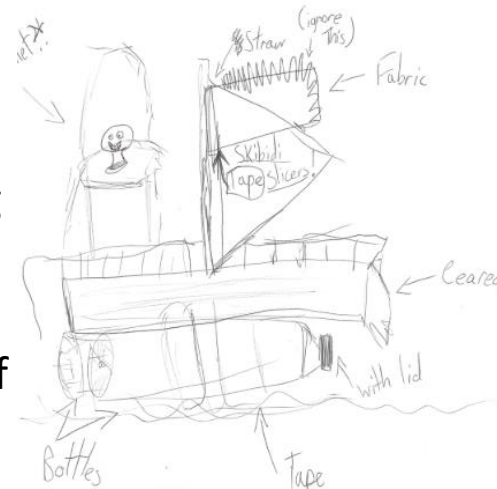


SMOOTH HOUND NEEDS HELP!

Year 3 & 6 responded to a call for help from SmoothHound. His safety boat keeps breaking down and he needed to know the most effective materials and design for a raft he could use instead.



We spent time with our Year 6 reading buddies in a team. We thought about the design of the safety raft as well as the best materials for floating. Some of us created catamaran style rafts with replica inflatable devices.



Year 3& 6

SMOOTH HOUND NEEDS HELP!

In our teams, we made the rafts and then tested them. If the rafts floated well, we added weights to see if they stayed stable.

