

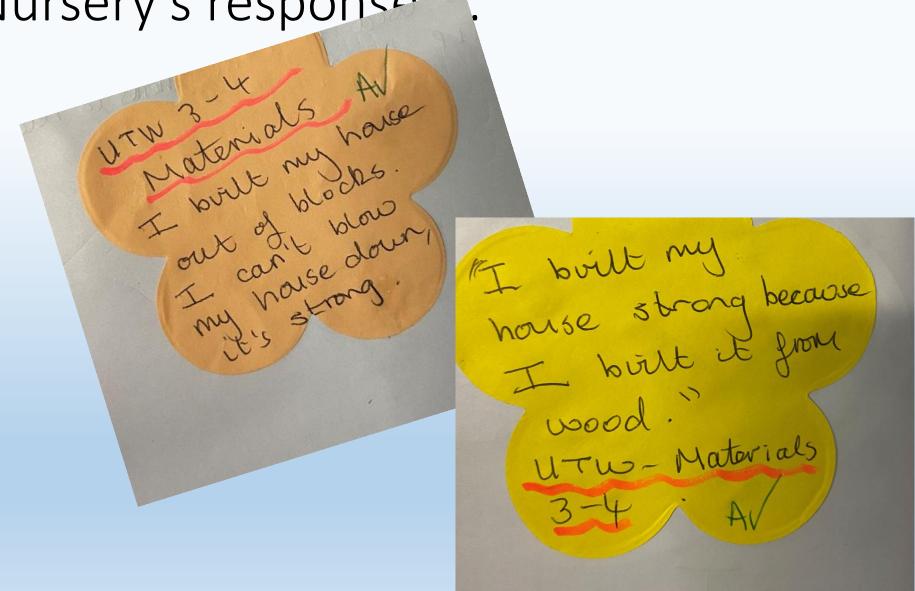
Nursery

Which material will be the strongest so that the Big Bad Wolf cannot blow it down?

Nursery: working on their strong houses...



Nursery's responser

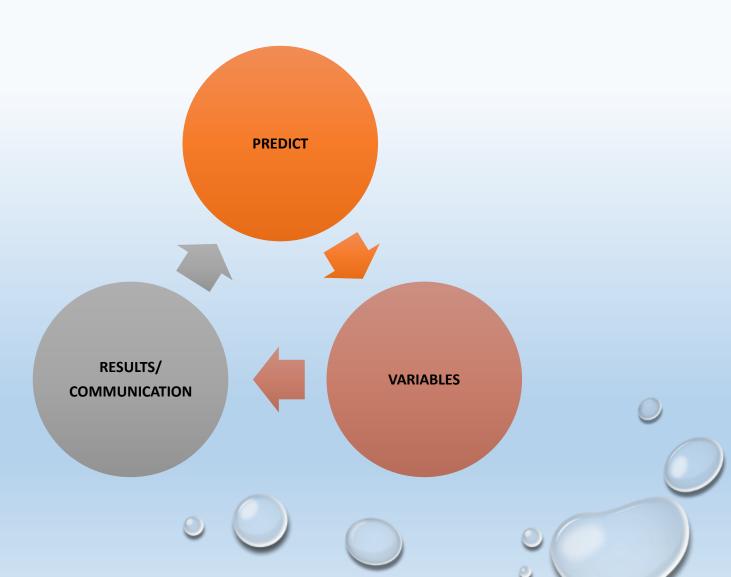


Reception's science investigation





Successful Testing

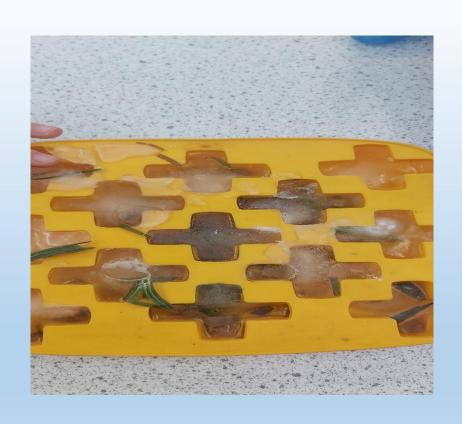


Stimulus?

What can make ice melt faster or slower?



We froze some water in an ice cube tray



The fair test....

- An Ice cube was put into a cup
- We looked at each ice cube every minute
- One ice cube went back into the freezer
- One ice cube had salt added
- One ice cube was held in the cup in our hands

Children at home completed the experiment too.





Some photographs of the experiment







Results

The children noticed that the ice cube in the cup being held melted the quickest.

They were not expecting the ice with the salt to melt But it did!

Salt melts ice as well as heat!

What did I learn?

Salt stops us from slipping

The freezer kept the ice cube frozen.

The ice cube melted because it was warm.

What did they learn?

The children learnt that solt melts ice.

Ice is sprinkled on the road so it is safe to drive when it is icy.

It stops us from slipping when when salt is put on the path around school when the weather is freezing.





Reception children enjoyed carrying out the investigation

Year 1

Science Investigation: What happens to sound when you walk away from it?

Investigation Planning Boards



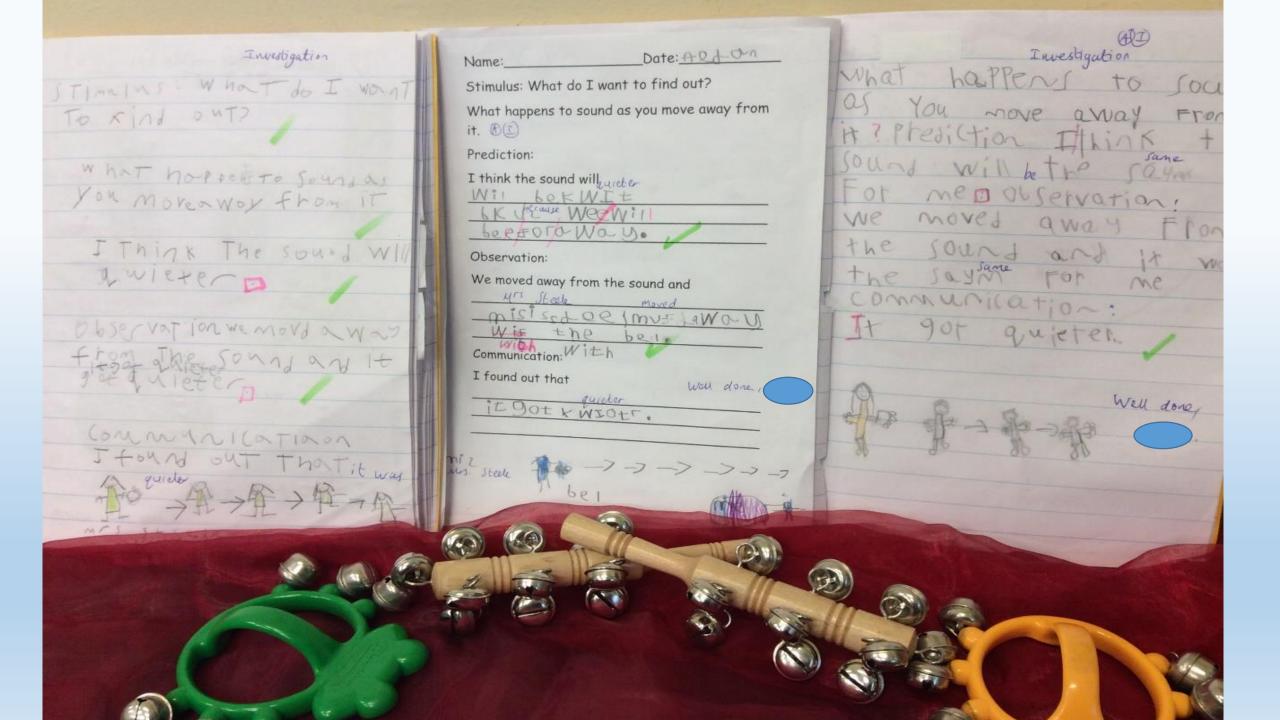
What we did

 We wanted to find out what happens to sound the further away we are.



 Mrs Steele stayed in one spot, every time she rang the bell we took one step away.





Year 2

Science Investigation: We were looking at different investigations.

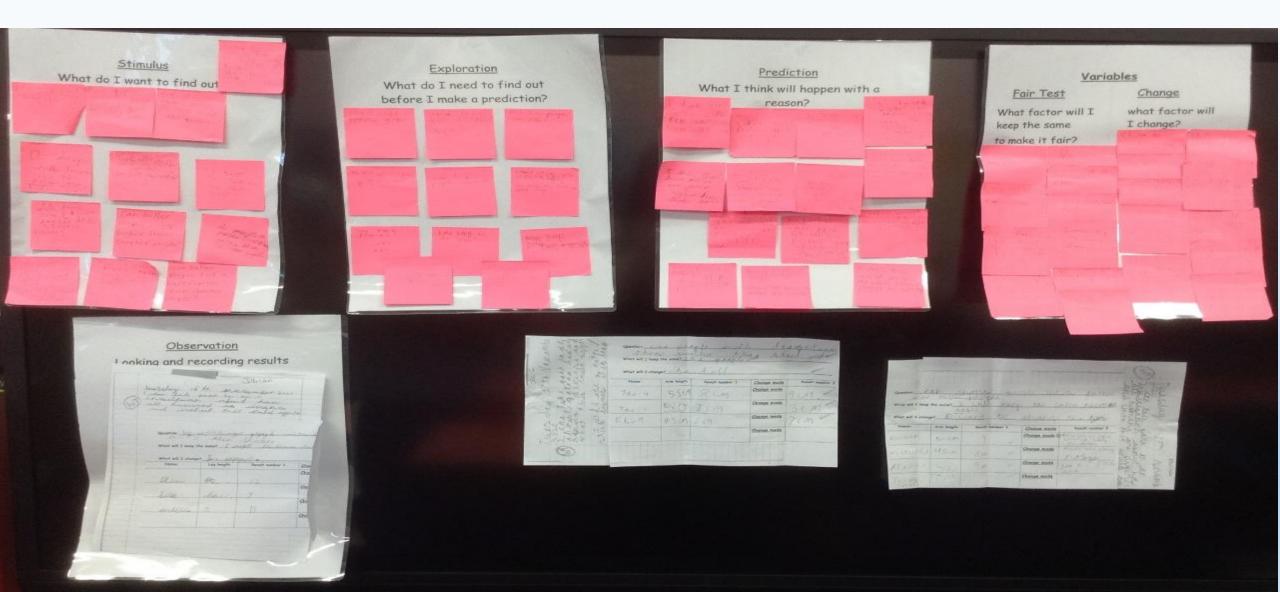
Can taller people jump higher than shorter people?

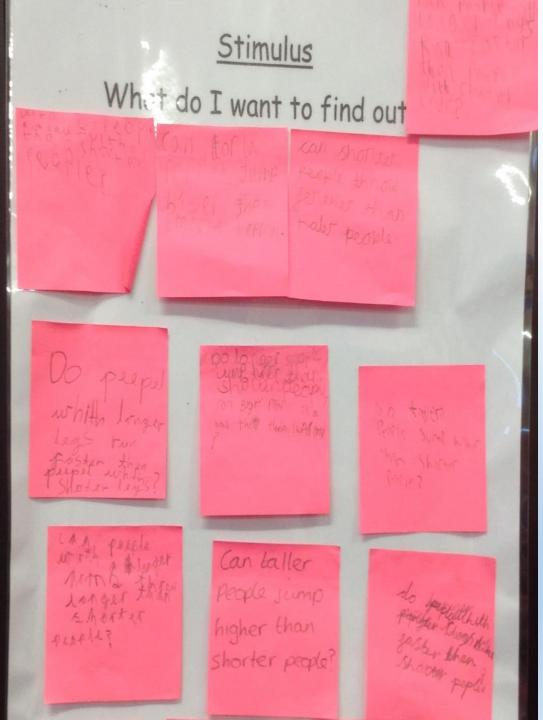
Call taller people kick a ball further than shorter people?

Do people with longer legs run faster than people with shorter legs?

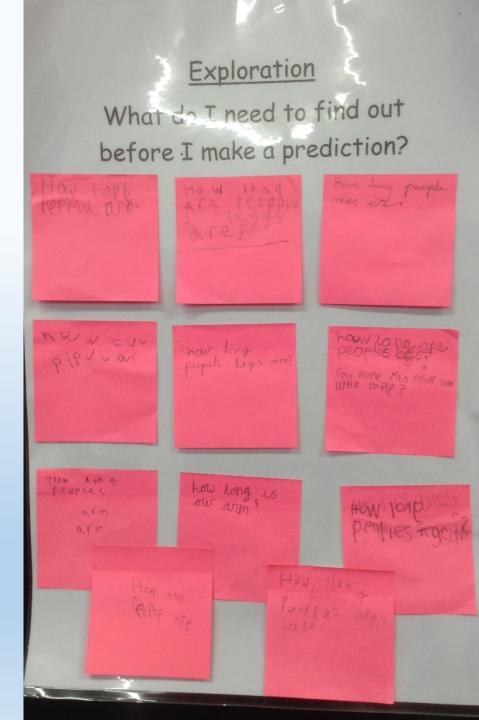
Can people with longer arms throw further than people with shorter arms?

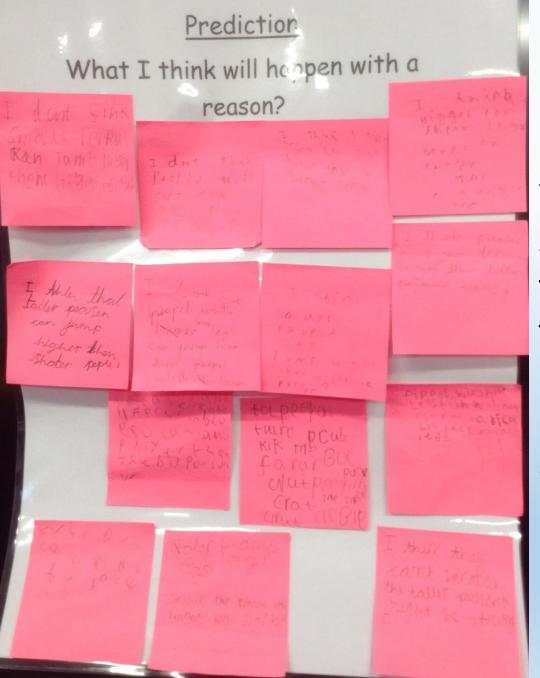
Investigation Planning Boards



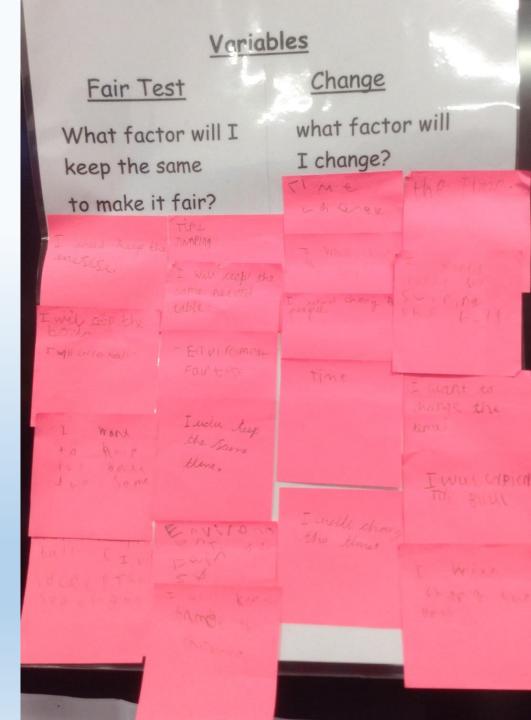


We each had a post-it note to write down our ideas, we then stuck them onto the planning boards and discussed our ideas as a class.





We made sure it was a fair test so that our results would be as accurate as possible.



Tuesday 10th Numeriber 2020 After we Can people with tunger way thrown lunger than shoter people completed the Exploration-How long pero boards, we started writing peoples sexus pecuns Keep the same the investigation change. independently in our books.

What we did

We used metre sticks to measure the jumps we

We wanted to find out if taller people jump higher than shorter people.



We timed each other running from one side of the playground to the other to see if people with longer legs run faster than people with shorter legs.

We threw a ball across the playground and used a metre stick to measure the distance.



what will I change? I want to change the time:							
Name:	Arm length	Result number 1	Change made	Result number 2			
Reuleen	50cm	9.00	Change made	Disruss in your is			
natilled	45cm	8m -	Change made	mane the charge & E			
AFIOLA	1534	9m -	Change made	got the first EE's			
Joseph.	Toom		Change made	Question:			

We worked in groups to complete the investigation and record our results.

We completed a table of our results.

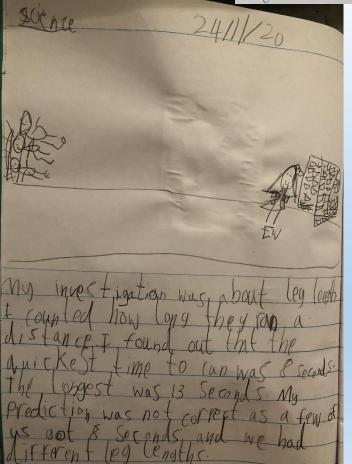
Question: Can people with Sonofer unith Short people What will I keep the same? The people What will I change? The people will change?							
Name:	Arm length	Result number 1	Change made	Result number 2			
J62.9	55M	8 CM	Change made	9 cm.			
Toe. c	5 m	7 cm	Change made	3 cm			
ELLA	45cm	6M	Change made	7cm V			

What did we find out?

Conclusion.

I found out that it doesn't matter if you have the shortest legs My guess was wrong because I thought t will kick it not far.

I think my ros, It's are like this because I kicked if harder. Next time I would change the people in my group because I wanted to see if I will kick it harder again.



Were our predictions correct?

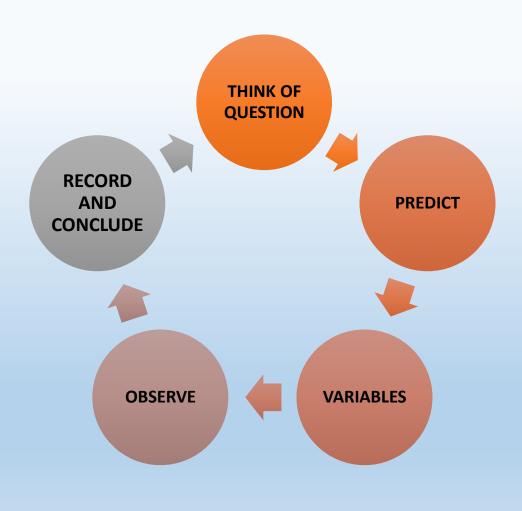
We worked hard to write the conclusion to our investigation.

Year Three's science investigation





Successful Testing



Stimulus?

What Soil is the most Permeable?



WE poured water over soils and watched to see which one drained the most water.



The fair test....

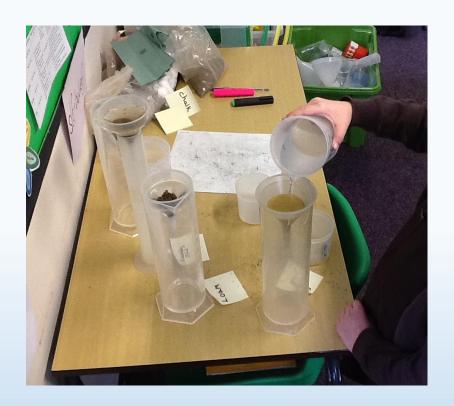
- The same amount of soil
- The same amount of water
- The same size beaker
- The same time to observe.

Some photographs of the experiment





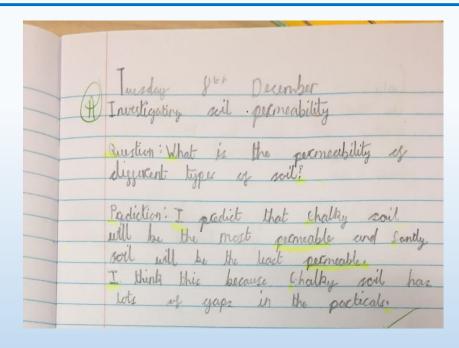


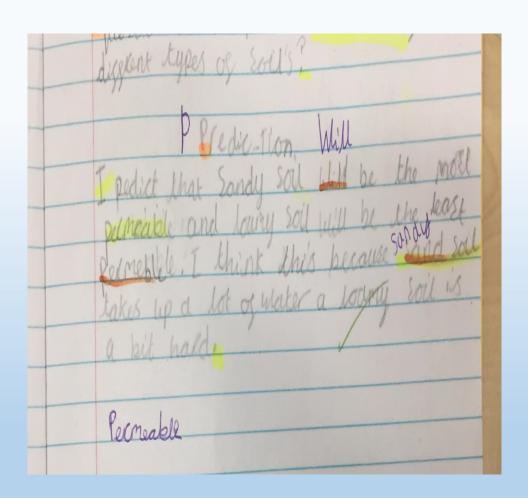




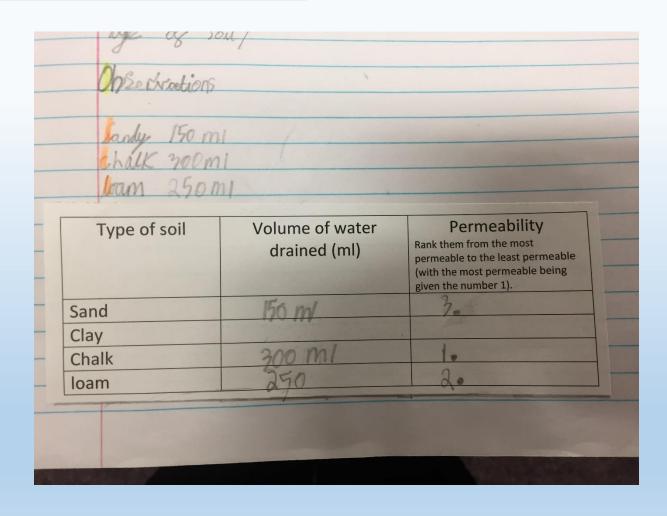


We wrote our Predictions

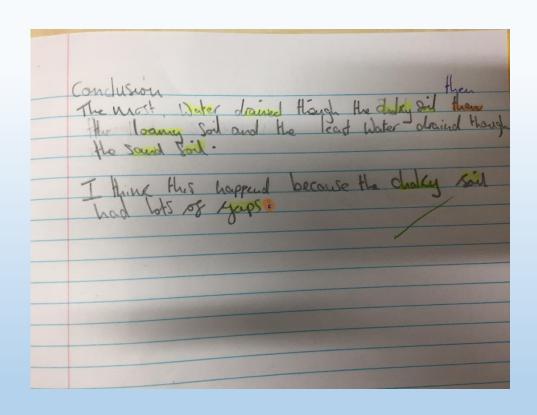


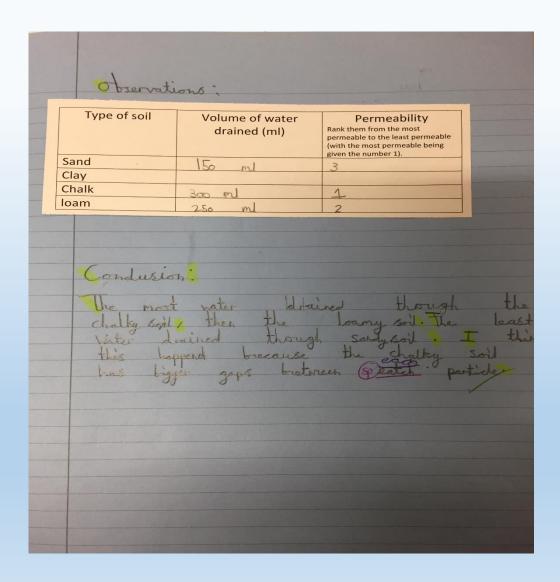


We recorded the results



We wrote our conclusions





Communication

We found out that water drained through the chalky soil the most.

The least water drained through the sandy soil.

We think that the chalky soil was the most permeable because it had bigger gaps between each particle.

What did I learn?

Permeable means it allows liquid to pass through

The sandy soil was the least permeable.

The chalky soil was the most permeable

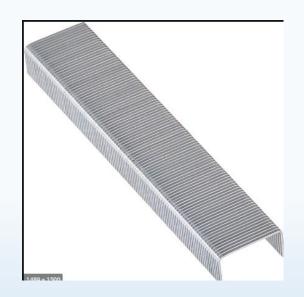
Year 4

Investigating Electrical Conductors!

Which materials make the best conductors in an electrical circuit?



Foam



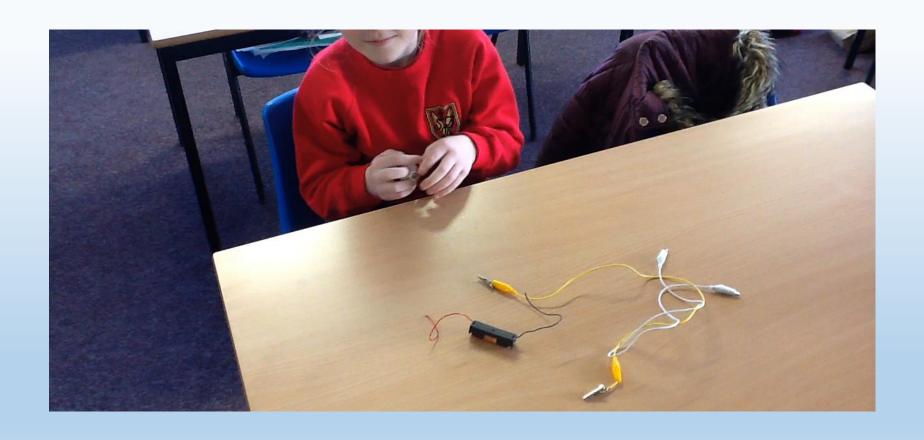
Metal

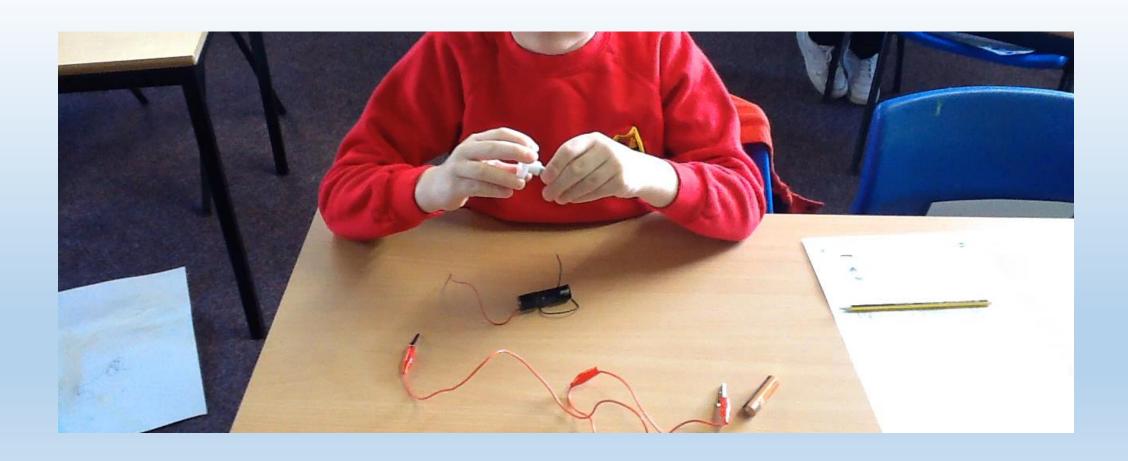


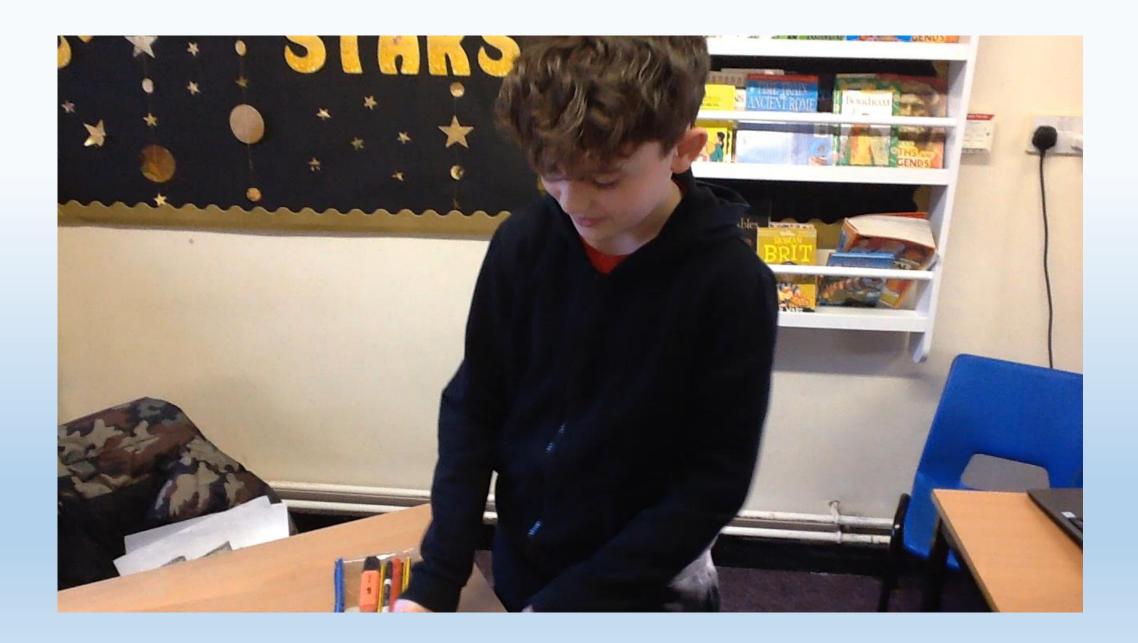


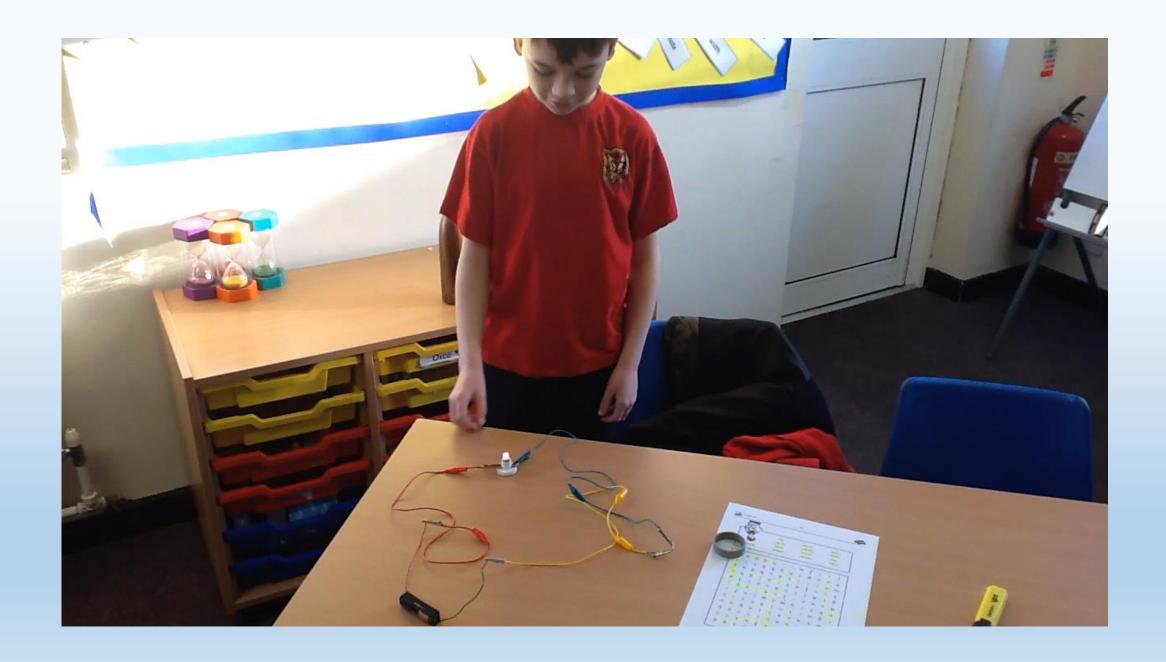
Rubber



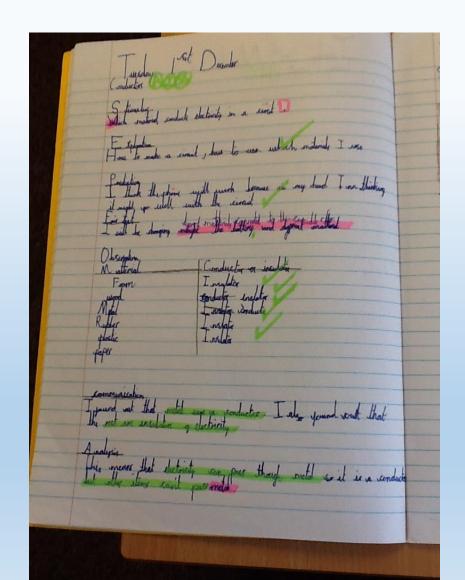


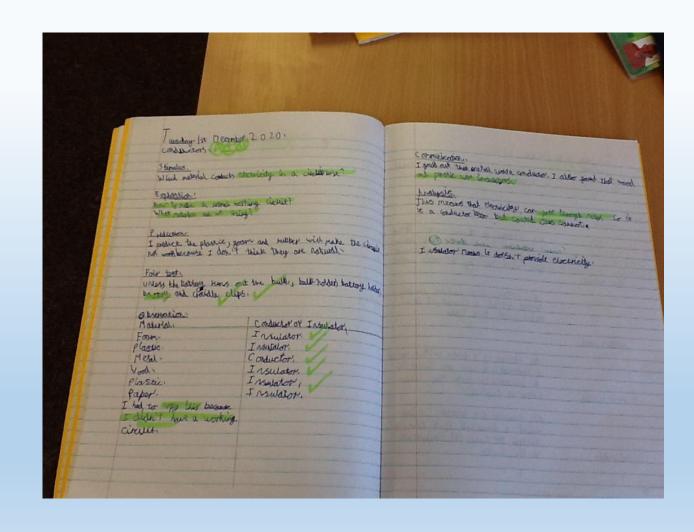


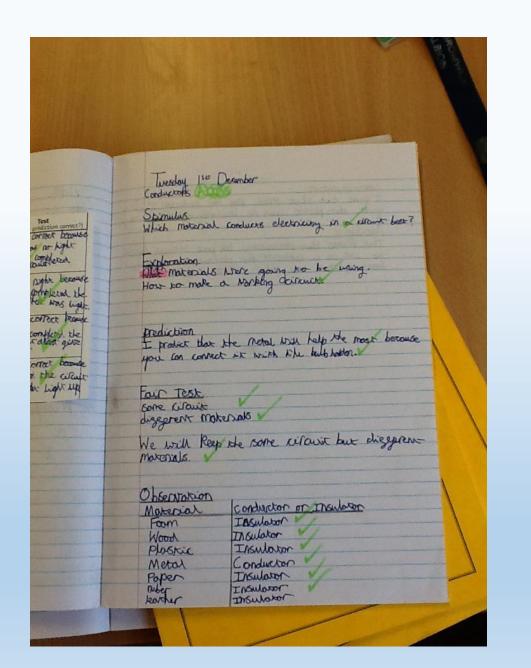


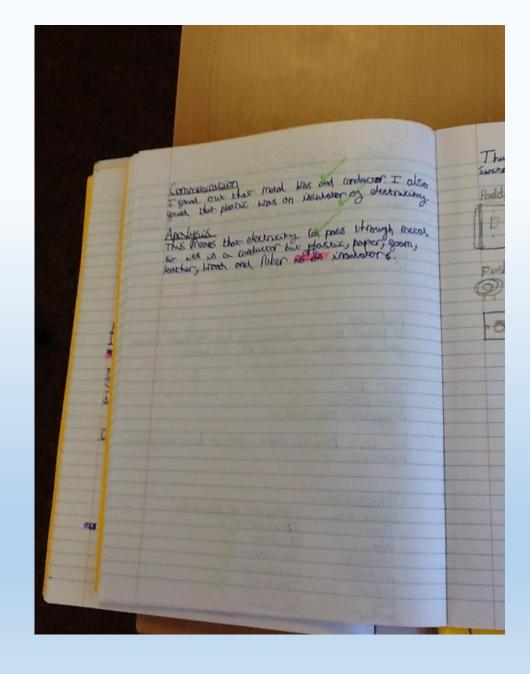


Some examples of our work....









Trade 1st Downter Stippeday What material tel electricity glor? Horr to mak a normal small West materials with What materials were who what materials with What materials Production I that the modal will work because it will make Fair Test We we gain to keep the same motorials the same or else wont to pair. I will shape the materials. Observation
Material
Fram
Rubber
Plastic
Metal
Paper
Wood
Leather
L Conductor or Insulator Insulator
Insulator
Insulator
Conductor
Insulator
Insulator
Insulator
Insulator
Insulator

Convitionist of the model was a conflicted to the west that the same of the same insulating

this same that abstracting can pare thought with so it is a secretarist had some a secondary

Year 5 and 6

- Plan different types of scientific enquiries to answer questions, including recognising and control variables.
- Take measurements, using a range of scientific equipment with increasing accuracy and precision.
- Record data and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- Use test results to make predictions to set up further comparative and fair tests.
- Identify scientific evidence that that has been used to support ideas or arguments.

Year 5 have been looking at how air resistance affects moving objects.

The children were asked to redesign a parachute for the Super Skydiving Company. They planned and conducted an investigation into the effects of air resistance by designing three parachutes and seeing which one fell the slowest.



Variables and Predictions

The minister that I will change about my parachute is the size of it. The Maribble I will measure is the time it takes to hit the ground. It is important to keep the other ministers the same because it not it wouldn't be a gair but. My prediction is that the tigger the parachute the slower it will fall.

The variable that I will change about my parachute is the size of the parachute. The variable I will measure is the time it takes to hit the ground.

It is important to Keep the other variables the same because it is not fair if you change it.

My prediction is that the bigger the parachute the televier it will fall

Variables and Predictions

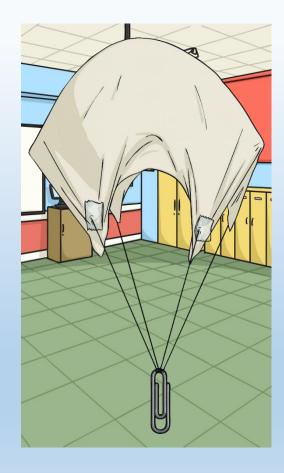
It is important to keep the other waribble the same because the test will not be join if you don't keep their the same.

The sortable that I will shange about my poreschete is the size of the parachete. The variable I will measure is the time it takes to hit the ground.

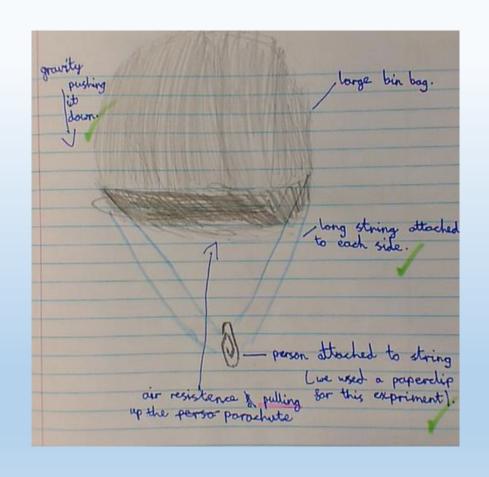
It is important to keep the other Variables the same because if you don't keep then the same it won't be a jair test.

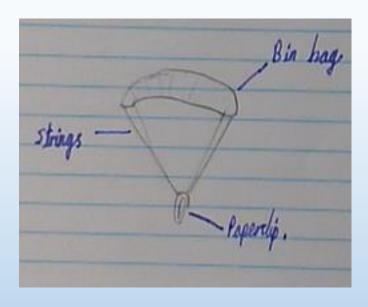
My prediction is that the bigger the parachete the slower it will gallo

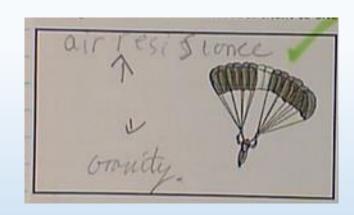
Out roulds show that the parachete the slower it will gallo



Testing







Results and Conclusions

	Description of parachute (e.g. size/ shape/material)	Variable to measure (e.g. time taken for parachute to hit the ground)	
Parachute 1	Small	2.26 sec	
Parachute 2	Medium	2.48 sec	
Parachute 3	Large	3.45 sec	
	esuth show that the was the se while created the most air resise or so it traps more air on the in downly because of gravity.		

	Description of parachute (e.g. size/ shape/material)	Variable to measure (e.g. time taken for parachute to hit the ground)	
Parachute 1	Small	2.26 seconds	
Parachute 2	M adium	2.48 seconds	
Parachute 3	Large	3.45 seconds	

Year 6

• What happens to colour if you apply a colour filter?







Communication and analysing...

	I can investigate and understa	nd how light enables us to see colours.	
Use coloured filters to lo What do you actually s	ook at different coloured o	ounters or sweets. What de	o you predict you will s
Colour of object	Colour of filter	Prediction: What colour do you think it will look?	What do you see What colour does actually look?
Funda	yellow	Red/Brown	Oron
orange	Bhre	Brown	Stade of Purple
Green	Red	800m	Purple
Biles	Yellow	Green	Green
Ruple	6he	Purple	Purple
Yellow	Red	orange	man
Rad parkett	Yellow	aroune	Or are
	spece		
Then I looked through a.	blue_filter, the_	cresting? Can you completed objects looke the wellow objects looke	d
ecouse by		10,	e purple