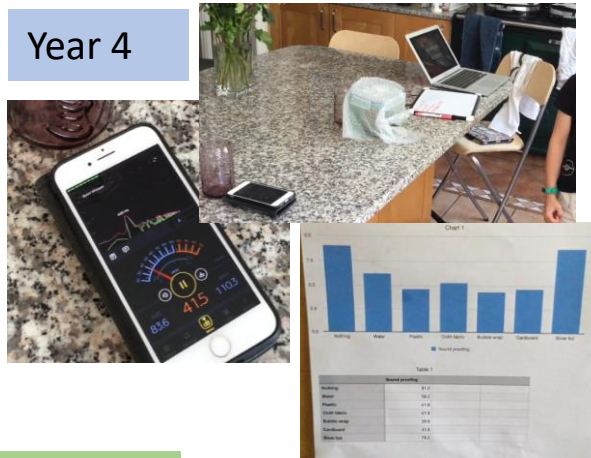


And the winners are...

Miss Brenta, Mrs Manning-Bennett, Miss Parsons and Miss Melling had a VERY tough decision to make!

Year 4



Our winner is Zachary! Zachary produced a video of his investigation which he edited and added effects to. Zachary highlighted that it was important to keep the recording device at the same distance from the speaker and he also found that using a constant noise instead of a song gave a more precise decibel measurement. Zachary presented his results in a clear bar graph and found that in his investigation, bubble wrap was the best sound insulator.

Method

1. Turn the bluetooth speaker on to maximum volume. I will keep the volume at maximum through out the experiment to make sure the test is the same for each material tested so that it is fair.
2. I downloaded an app called Decibel Meter to record the decibels
A decibel is the unit used to measure the intensity of a sound
3. I will also use the same song each time I take a measurement
4. Before I test the sound proofing materials I will test the decibel level of the speaker at full volume without any covering.
5. Then I will put the speaker in a cardboard box "the studio" and I will then wrap each sound proofing material around the box once and measure the sound using the decibel meter.
6. I will play the song for 30 seconds for each material and take the highest decibel measurement recorded on the decibel meter for each.



Our runners up are Ilia and Max. Ilia got creative and tested moss for its soundproofing qualities and Max carefully considered which variables he needed to keep the same to ensure his results were accurate.

Year 5



For some substances, I rubbed the food carefully on the paper.

I left the papers which were now different colours to dry. Making sure that they did not touch each other.

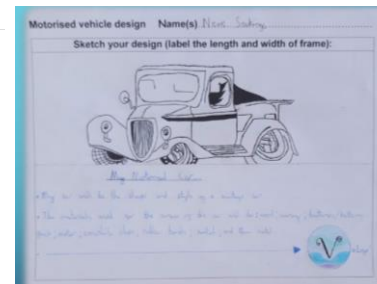
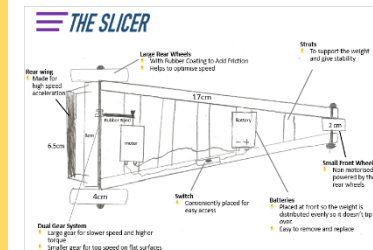
Our winner is Danny H! Danny's presentation was very impressive. He clearly showed his predictions, his method and his results. Danny created his own pH testing paper using the red cabbage water and also recognised he needed to keep the amount of household product the same for each test. He displayed lots of scientific skills. Once Danny had completed his initial investigation, his results encouraged him to create his own enquiry question. Danny went on to investigate what would happen when he mixed an acid with an alkali. His presentation was clear, very well researched and easy to understand.

Our runners up are Seb and Daisy. Seb's investigation was very impressive. Not only did Seb carry out the investigation thoroughly at home, he then produced his presentation as an interactive Scratch game that he wrote all the code for. Daisy's investigation was very thorough and her presentation was eye catching, informative and clear. Her conclusion was very clear and showed her understanding of pH levels and sliding scale that all liquids will appear on.

Year 6

Our winner is Oliver! Your overall presentation is fantastic and you have thought of EVERYTHING! You have cleverly made prototypes for your shell before deciding your final design, have considered different materials that you may use and drawn many of your ideas from inspiration of what is currently available on the market today. An outstanding collection of work!

Our runners up are Neve and Beckett. We loved your vintage shell design, Neve. It is so unique! Beckett we love the name 'The Slicer' and your diagram is drawn and labelled clearly.



Model Materials

Paper Prototype Model

