



### Year 3 – What Scientists Do (June 2023)

**LO: To generate suitable enquiry questions and make careful observations.**

**LO: To plan a comparative fair test.**

**LO: To draw conclusions from careful observations.**

This term, Year 3 looked at what scientists do and became scientists themselves carrying out experiments! We began by experimenting with balloons filled with water, to determine what effect the amount of water in a balloon had on the height it dropped from. We started by thinking about what makes a test fair, dropping balloons with different amounts of water from different heights, with different amounts of force, and using balloons of different sizes.

Next, we thought about what might happen in our experiment, and how we were going to make sure it was fair, writing it down before carrying out our tests and recording our results in a table. After we all had finished, we looked at each other's result, before making our conclusion – the more water the balloons had, the lower down they broke!



Following that, we experimented with how the amount of water in a mini rocket changed how high it flew! We used effervescent tablets, which turned from a solid to a gas (needing more space) to make our rockets fly! Again, we thought about what might happen and how we would make it a fair test, before watching our rockets fly into the air! After we had written down our results, we reconsidered what had happened and why. We found that the less water we put in our rocket, the higher it flew, because it made the rocket lighter!



#### **Comments from our Year 3's after the session;**

*"You are a scientist whenever you do experiments and I really like that!" Eloise*

*"I liked the rockets because of the pop!" Bruk*

*"I really liked the vinegar and bicarbonate of soda experiment as the bottle went really high." Eva*

*"I liked when we got to throw the balloons onto the wall." – Amelia*

Kind regards, Miss Kelly & Mrs Wordsworth – Science Co-ordinators



