



Year 5 – Properties and Changes of Materials (May, 2023)

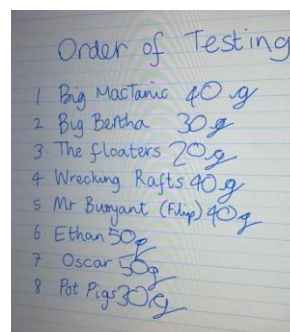
LO: To compare and group together everyday materials on the basis of their properties.

LO: To give reasons for the particular uses of everyday materials in relation to their properties.

This term, Year 5 are studying Materials. We started by sorting through a box of different materials, including rubber, wood, metal, and plastic. We categorised these using two-way tables, deciding whether both or just one property applied. We then looked at what everyday objects could be made from, and what properties these materials had in common. We looked at what beds, bookcases and teddy bears would be made of and why we would pick those materials, for example for a bed, we wanted a hard, strong material for the frame, but soft, springy materials for the mattress so that it was comfortable.



Finally, we built a boat, which had to hold 50g whilst floating, using 4/5 sets of materials, such as plastic straws, lollipop sticks and plastic sheets. We then tested them in water, seeing how much weight each boat could take before water was taken on board!



Comments from our Year 5's after the session;

"We learnt about different materials, using language, such as, 'soft', 'hard', 'bendy', 'magnetic', 'stretchy' and 'strong'." Carter

"When we were building the boats, the objective was for our boat to be the strongest and most buoyant. We measured this by how much weight we could put on our boats." Gabriel

"We learnt about the best materials to make everyday objects due to their properties, for example, a teddy bear should be made with fabric as it is durable but soft" Rose

"We made a boat with limited materials and had to make sure it would float with up to 50g weights on it. We discovered the lollipop sticks were the strongest" Emy

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



