

Science Club – Y4 and Y6 (Autumn Term 2)

Teacher: Miss Reynolds

	Teacher-led activity	Pupil-led activity
Week 1	Fireworks on a plate	Make your own lava-lamp!
Week 2	STEM Challenge: Paper bridge Who can make the strongest paper bridge that holds the most weight?	
Week 3	Blowing up a balloon with an Alka-Seltzer (try with popping candy/baking soda & vinegar)	Alka-Seltzer/film canister rockets Compare with effervescent rockets
Week 4	STEM Challenge: Can we design and make something that moves? Design and create a robo-hand Challenge: Can you add an extra finger and a thumb?	
Week 5	Christmas Science Snowball flight test	Flying Sleigh – Balloon races

Week 1:

- Milk
- Food colouring
- Washing-up liquid
- Cotton buds
- Oil
- Plastic cups
- Alka-Seltzers

Week 2:

- Paper
- Tape
- String
- Plastic pot
- Weights

Week 3:

- Balloons
- Plastic bottles (3)
- Alka-Seltzers
- Popping candy
- Baking soda
- Vinegar
- Film canisters
- Water
- Effervescent tablets

Week 4:

- Cardboard (10x10 square, three 9x2 rectangles – per child)
- Rubber bands
- 2 Straws – per child
- String
- Tape
- Scissors/rulers

Week 5:

- Paper
- Tape
- Balloons
- String
- Straws
- Sleigh template