

**How Do I Take Part?**

**Step 1**- Find the plans and resources on the school website. (You have already done this!)

**Step 2**: Select an activity from the list below.

**Step 3**- Follow the link, watch the video, and/or read the instructions.

**Step 4**- Complete the scientific activity with the support and guidance of an adult.

**Step 5**- Record how many ‘Science Week Electrons’ you have earned.

**2 Electron Activities:**

Each time you complete one of these activities, you can add 2 ‘Science Week Electrons’ to your total. Instructions for each activity can be found using the following link or in the documents attached to the bottom of this page.

<https://www.stem.org.uk/resources/elibrary/resource/25416/do-try-home#&gid=undefined&pid=2>

* Alka-Seltzer Rocket
* Magic Balloon
* The Forceful Comb
* Straw gun
* Making a Moving Foil Boat

**3 Electron Activities:**

Each time you complete one of these activities, you can add 3 ‘Science Week Electrons’ to your total. A video and instructions for each activity can be found by following the relevant links. Instructions for each activity are attached to the bottom of this page.

* Rubber Band Cannons

<https://www.rigb.org/families/experimental/rubber-band-cannons>

* Musical Coat Hangers

<https://www.rigb.org/families/experimental/musical-coat-hangers>

* Homemade Parachutes

<https://www.rigb.org/families/experimental/homemade-parachutes>

* Fizzy Cubes

<https://www.rigb.org/families/experimental/fizzy-cubes>

**4 Electron Activities:**

Each time you complete one of the BIG QUESTIONS, you can add 4 ‘Science Week Electrons’ to your total.

* BIG Question (A) – Can light pass through materials? How much light comes through each one?
* BIG Question (B) – What happens if you mix salt with water and try to freeze it? What about sugar? Baking soda?
* BIG Question (C) – Can you use a drinking straw to make a musical instrument? What different sounds can you make? How are these sounds made?

**5 Electron Activities:**

Watch the video of Mr M modelling how to complete a ‘Fair Test’.

If you can complete your own fair test, you can add 5 ‘Science Week Electrons’ to your total. Here are some possible questions to investigate:

* Does the height at which you drop the ball affect how high it bounces?
* Does the size of ball affect how high it bounces?
* Does the material the ball is made from affect how high it bounces?

* Does the surface it bounces on affect how high a ball bounces?

**How do I get my certificate?**

Don’t forget to count up how many ‘Science Week Electrons’ you have earned in total. Send this information to Mr Mackinnon: [beech@st-barnabas.kent.sch.uk](mailto:beech@st-barnabas.kent.sch.uk) and we will organise your Stay at Home Science Week Certificate.

The closing date for entries is Tuesday 2nd June.

**EXTRA CHALLENGE:**

How do you think Mr M is going to use the number of electrons you have earned to work out which certificate you get? Can you predict which certificate you will receive before it even arrives.

**CLUE:** Mr Mackinnon is going to use a tool called the Periodic Table to help him.