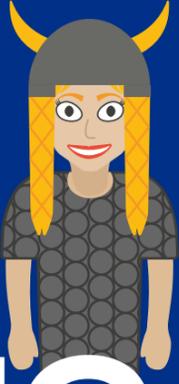


Scientific Sue

science of dragons

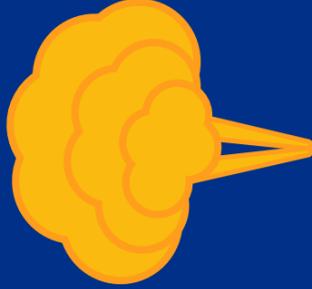


Join Scientific Sue on this most historical and creative journey of scientific discovery.

Her fire and icy fog breathing dragons are celebrating the hatching of their latest baby. There is just one problem: this little dragon can't fly yet.

The Vikings are partying, so why not dress up as a Viking or dragon and join in with the celebration!

Scientific Sue will investigate and explore the science of how dragons fly. Then, using some of the science behind the different dragon fire types (steam, icy fog, explosive gases, flammable liquids and of course big flames and tornado type fire!), plus dragon's disgusting digestion processes, she hopes to engineer a way which will allow the baby dragon to fly and join in with the celebrations!



Activity list

Safety glasses can be swimming goggles, sunglasses or your everyday glasses. If the children are young clear plastic beakers, rather than glass ones, should be used.

Activity 1: Experimenting with carbon dioxide

- Distilled vinegar
- Baking soda
- Balloon
- Small candle – T Light
- Small glass for candle
- Funnel (can be made from paper)
- 500 ml empty bottle
- Tray

Activity 2: Cabbage chemistry

- Boil 1/4 red cabbage and keep the juice
 - Distilled (white) vinegar
 - Baking soda
 - Washing up liquid
 - Lemon juice*
 - Toothpaste*
 - 5 clear plastic beakers (and a jug of water)
- * Optional items to use to extend the science after the show

Activity 3: How to train your dragon

- Template of an acrobatic dragon*
- Selection of small coins or metallic paperclips
- Sellotape
- Colouring pens/pencils

21 May 2021

4:00 – 5:00 pm

ukri.zoom.us/webinar/register/WN_nojBcc7zQX2loUgTZrPC4g

From age 5+ and parental supervision advised

Inspiration from the stories by Cressida Cowell on 'How to Train your Dragon'.
Curriculum links: science, engineering, plus literacy and storytelling.
The science: chemical reactions, combustion, states of matter, flight, buoyancy, forces, energy, digestion, tests for oxygen, carbon dioxide and hydrogen.

Don't forget to cut out and colour in your acrobatic dragon!

* If you can't print your dragon, you can copy our image, by drawing it free hand onto A4 paper then stick it onto card

Acrobatic dragon template here: www.science2life.com/wp-content/uploads/2021/03/Scientific-Sues-Acrobatic-Dragon.pdf

