

WEST DEVON BADGES AT HOME : SCIENTIST BADGE

Complete one of the two options to
achieve your Scientist Activity Badge.

westdevonscouts.org.uk

 West Devon Scouts



How to complete your badge:

Choose from options 1 or 2, then complete all of the tasks under your chosen option.

Option 1

- 1. Explore and discuss the science behind two Scouting activities or hobbies. For example, you could investigate the science behind a perfect campfire, how a kayak stays afloat and travels through the water, or how a compass or GPS device works.**

Use the box below to explain the science behind the activities:

Activity 1 :

Activity 2 :

2. Complete one of these:

- Plan and complete your own experiment to explore the science behind one Scouting activity or hobby. Record your findings and explain what these mean to others. Try thinking of a question you want to answer or something you want to prove.**

Use the box below to record your findings:

- Plan and run an activity, demonstration or presentation to help others understand the science behind a Scouting activity or hobby.**

You could make a video of you performing and explaining your chosen science activity, or an animation.

Option 2

1. Plan and complete three science experiments or activities. You could try making invisible ink, creating an eruption, designing a catapult or putting together a battery. Check your plan with an adult first, then for each experiment:

Change something about the experiment or activity and try it again, at least once. Predict what you think will happen and find out if you were right. Show that you understand the science behind your experiment or activity.

Use the box below to provide your evidence.

Experiment 1 :

What did you change and what happened?

Experiment 2 :

What did you change and what happened?

Experiment 3 :

What did you change and what happened?

- 2. Find out how one of your experiments or activities links to the real world. Then, explain it to others. For example, if you made a battery, what are batteries usually made from? If you created an eruption, how similar or different is this to how volcanoes erupt? You could explain your experiment in a video, or even during a virtual scout meeting.**

Use the box below to describe how one of your experiments links to the real world.

Some ideas:

- **For option 1, you could investigate any activity completed as part of Scouts, such as archery, climbing or zip lining, or a hobby you do outside of Scouts, such as cooking, trampolining or swimming.**
- **For option 2, you could share what you have discovered with your Patrol, Troop, another Group, a leader or someone else. There are lots of ways you could do this. Why not plan a live demonstration, a presentation or create a video?**

<https://www.sciencekids.co.nz/experiments/invisibleink.html>

<http://www.sciencefun.org/kidszone/experiments/how-to-make-a-volcano/>

<https://kidsactivitiesblog.com/55055/15-easy-catapults-to-make/>

<https://www.wikihow.com/Make-a-Homemade-Battery>

Once you have completed your challenge, upload this completed form and any photos to Online Scout Manager under 'Badges' and click the Scientist Activity Badge. Then click 'Complete at Home' and submit your evidence.

Good Luck!