Further resources to support children's learning in Science.

The Royal Society

The Society's fundamental purpose, reflected in its founding Charters of the 1660s, is to recognise, promote, and support excellence in science and to encourage the development and use of science for the benefit of humanity.

The Society has played a part in some of the most fundamental, significant, and life-changing discoveries in scientific history and Royal Society scientists continue to make outstanding contributions to science in many research areas.

Priorities

- Promoting excellence in science
- Supporting international collaboration
- Demonstrating the importance of science to everyone

https://royalsociety.org/topics-policy/education-skills/teacher-resources-and-opportunities/resources-for-teachers/science-at-home/primary/

About STEM Learning

At STEM Learning, our commitment to STEM education is part of everything we do. Whether that's delivering teacher CPD (continuing professional development) in STEM subjects, bringing STEM role models into schools as part of the STEM Ambassador Programme or providing bespoke, long-term support for groups of schools in collaboration with companies through our ENTHUSE Partnerships, our aim is always the same – to provide a world-leading STEM education for all young people across the UK.

We don't do this alone! We work in collaboration with the UK Government, employers large and small, organisations and educational establishments to deliver positive STEM interactions for teachers, young people and beyond.

https://www.stem.org.uk/home-learning

Primary Science Teaching Trust

The Primary Science Teaching Trust is a registered charity that aims to facilitate the development and dissemination of excellence in primary science.

https://pstt.org.uk/resources/curriculum-materials/Science-Fun-at-Home

Royal Society of Biology

https://www.rsb.org.uk/education/teaching-resources/primary-schools

Welcome to The Ogden Trust

The Ogden Trust aims to increase the uptake of physics post-16 by supporting physics education and engagement for all young people (4-18), particularly those in under-represented groups. The Trust supports schools, teachers, projects and programmes that are committed to enhancing physics teaching and learning.

https://www.ogdentrust.com/

The British Science Association (BSA) was founded in 1831 and is a registered charity.

We want to see a future where science is more relevant, representative, and connected to society.

We develop science engagement programmes for audiences underrepresented in, and underserved by, science. We deliver our work through the education sector; public-facing events and campaigns; grant-making; community engagement; and stakeholder influencing, with a particular focus on improving equality, diversity and inclusion (EDI) in science.

We're incorporated by Royal Charter and funded by a mixture of grants, sponsorship and donations; thank you to all of our partners for their continued support.

https://www.britishscienceassociation.org/news/supporting-parents-and-families-to-enjoy-science-as-part-of-everyday-life

ROYAL SOCIETY OF CHEMISTRY

Steps into Science

Inspiration, support and resources for primary teaching

Chemistry is at the centre of everything you can see, smell, touch and taste.
Whether studying the chemistry of life, or developing the advanced science behind modern technology, chemical scientists use their expertise to improve our health, our environment and our daily lives. Collaboration is essential. We connect scientists with each other and society as a whole, so they can do their best work and make discoveries and innovation happen.

We publish new research. We develop, recognise and celebrate professional capabilities. We bring people together to spark new ideas and new partnerships. We support teachers to inspire future generations of scientists. And we speak up to influence the people making decisions that affect us all.

We are a catalyst for the chemistry that enriches our world.

https://edu.rsc.org/primary-science/find-resources

Some websites and activities may need adult supervision.

National Geographic Kids

This child-friendly website is great to teach and inspire children and is filled with fun and unique activities – like How to Make a Paper Bowl Jellyfish!

NASA Kids' Club

A place to play games and learn about space. These games support national education standards in STEM — science, technology, engineering and mathematics.

Why and How? Primary Science Teaching Trust

This website offers a variety of different resources covering many topics, including things like "Titanic Science," "Growing Music" and "Garden Watch."

Science Experiments You Can Do At Home

Make science fun with these fantastic experiments!

WOW Science

A child friendly gateway to high quality primary science resources on the internet and beyond. Resources for children to explore either alone or together with their parents.

First Discovers

A website that provides parents with science based activities that are 'hand on' and fun!

Association for Science Education

The Association for Science Education (ASE) is the largest subject association in the UK. We are an active membership body that has been supporting all those involved in science education from pre-school to higher education for over 100 years.

Sublime Science – 101 Sublime Science Experiments

101 awesomely fun science experiments you can do at home with 'stuff' you've already got from Dragons' Den winner and Sublime Science founder, Mad Marc (Wileman!)

Activities and things to do

- Explorify – Wellcome Trust online activities to make you think! (Dr Jo is an Explorify Champion so just ask if you have any questions)
- Great Bug Hunt
- RSPB Bird watch (Big Schools BirdWatch and Big Garden Bird Watch) and wild challenges
- Nature Detectives – special school closure activities from The Woodland Trust
- Kew Gardens Learning at home resources
- RHS Gardening activities
- Cambridge University Botanic Gardens downloadable resources for families
- Wildlife Trust activities for families
- Bug life activities for schools
- Practical Action Schools – investigations to get your teeth into linked to the Global Sustainable Development Goals (older children)
- National trust 50 Things to do before you're 11 3/4
- The Scouts The Great Indoors activities
- Wallace And Gromit Cracking Ideas – have a go at inventing
- Starters for STEM 10 minute activities from STEM Learning
- NASA kids club
- AstroScience Challenge launches 27th April
- ExpeRImental from The Royal Institution
- Train like an Astronaut – PE and science activities
- Institute of Physics (IOP) Marvin and Milo STEM cartoon activities
- Ogden Trust Physics Home Learning
- Have a go at coding
- Science with Minecraft
- Experiments At Home (NZ science kids site)
- The Met Office DIY activities and experiments
- Lockdown Learning from Eat Farm Now
- Science and Engineering challenge cards from Dyson
- Climate science, biodiversity and citizen science resources from WWF

- SEN friendly science resources from Dr Sarah Bearchell
- Online drawing course from very basic up (observational drawing also important in science!)
- Talk for Writing have created brilliant Home School booklets, including some with science linked activities created by Dr Jo!
- Five minute field trips – useful list of quick nature activities to do with minimal resources and preparation
- Turn your garden into a wildlife watching space!