

Science

This list of science resources has been collected and assured with support from learned societies and subject organisations, including:

- the Association for Science Education (ASE)
- the Institute of Physics (IOP)
- the Royal Society
- the Royal Society of Biology (RSB)
- the Royal Society of Chemistry (RSC)
- STEM Learning

These resources link closely to the national curriculum, however there are many other resources supporting enrichment and practical activities available on the societies' websites and elsewhere.

Care should be taken that all activities, especially practical activities, are undertaken safely and with due regard for the abilities of the pupil.

Teachers and parents and carers should check that activities are appropriate for the intended user and that they can be carried out safely in the home environment.

Science: primary

BBC Bitesize

Website: <https://www.bbc.co.uk/bitesize/primary>

Key stages: key stage 1 and key stage 2

Description: interactive resources covering the primary science curriculum. Suitable for pupil/parent use.

Registration: not required

CENTURY Tech

Website: <https://www.century.tech/>

Key stages: key stage 2

Description: Courses and micro-lessons covering a range of topics. Sections for schools, parents and carers and pupils.

Registration: is required

CLEAPSS

Website: <http://primary.cleapss.org.uk/Resource/Home-learning-practical-activities-for-children-and-their-families.aspx>

Key stages: key stage 1 to key stage 3

Description: practical science activities for children and their families to complete at home with guidance on safely conducting practical activities in the home environment. Suitable for teacher and parent use.

Registration: not required

STEM Learning

Website: <https://www.stem.org.uk/primary-science>

Key stages: key stage 1 and key stage 2

Description: an online resource bank listing quality-assured resources on external websites. The site features a live chat function offering support from subject experts. Main resource bank suitable for teacher use. New 'home learning support for families' section suitable for parent use.

Registration: is required for some resources

Tigtag World

Websites: key stage 1 - <https://www.tigtagjunior.com/>

key stage 2 - <https://www.tigtagworld.co.uk/>

Key stages: key stage 1 and key stage 2

Description: video-based resource with lesson plans matched to the national curriculum for science. Lesson plans include videos, lesson ideas and interactive games and quizzes. Designed for teacher use, but suitable for parent use.

Registration: is required

Science: secondary

BBC Bitesize

Website: <https://www.bbc.co.uk/bitesize>

Key stages: key stage 3 and key stage 4

Description: interactive resources covering the key stage 3 and key stage 4 science curriculums. Includes separate sections for biology, physics and chemistry. Suitable for independent student use.

Registration: not required

CENTURY Tech

Website: <https://www.century.tech/>

Key stages: key stage 2 and key stage 4

Description: courses and micro-lessons covering a range of topics. Sections for schools, parents and carers and pupils.

Registration: is required

CLEAPSS

Website: <http://primary.cleapss.org.uk/Resource/Home-learning-practical-activities-for-children-and-their-families.aspx>

Key stages: key stage 1 to key stage 3

Description: practical science activities for children and their families to complete at home with guidance on safely conducting practical activities in the home environment. Suitable for teacher and parent use.

Registration: not required

Institute of Physics (IOP)

Website: <https://spark.iop.org/covid-19-support-schools-and-colleges>

Key stages: key stage 3, key stage 4 and key stage 5

Description: a set of articles and resources designed to support teachers who are teaching remotely. Suitable for teacher use.

Registration: not required

Isaac Physics

Website: <https://isaacphysics.org/>

Key stages: key stage 4 and key stage 5

Description: online problem-solving activities and regular live video tuition to support teachers and students. The content focusses on physics but also covers some maths and chemistry. Suitable for independent student use or teacher use.

Registration: not required, but registration increases functionality

Kerboodle

Website: <https://www.kerboodle.com/>

Key stages: key stage 4

Description: bank of resources and assessments to support the latest AQA GCSE science courses. Core content will be relevant to all GCSE specifications but teachers using other awarding bodies may need to select appropriate resources. Suitable for teacher use.

Registration: school registration required

Royal Society of Chemistry (RSC)

Website: <https://edu.rsc.org/remote-teaching-support>

Key stages: key stage 3, key stage 4 and key stage 5

Description: a set of articles and resources designed to support teachers who are teaching remotely. Suitable for teacher use.

Registration: not required, but registration increases functionality

STEM Learning

Website: <https://www.stem.org.uk/resources/curated-collections/secondary-and-level-science-0>

Key stages: key stage 3, key stage 4 and key stage 5

Description: an online resource bank listing quality-assured resources on external websites. The site features a live chat function offering support from subject experts. Main resource bank suitable for teacher use. New 'home learning support for families' section suitable for pupil/parent use.

Registration: is required for some resources