

The Sciences

Resource Guide



Education Scotland's website provides practitioners with excellent resources and guidance to help develop learning and teaching within the sciences.

Visit the website: www.educationscotland.gov.uk/sciences

The following links may be particularly useful in planning for the sciences:

CfE Briefing 15: Sciences for all: <http://bit.ly/Hvmpj9>

Sciences experiences and outcomes: <http://bit.ly/1bCgA0u>

Sciences principles & practice: <http://bit.ly/15Q6O7x>

Concept development in the sciences: <http://bit.ly/19yzl9E>

Assessing progress and achievement in the sciences: <http://bit.ly/17kLhTM>

Sciences 3-18 Impact Report: <http://bit.ly/18TbPbO>

Education Scotland's **Journey to Excellence** website contains many examples of interesting and innovative practice. Check out our new suite of videos for the sciences – just enter 'science' into the search facility.

Visit the website: www.journeytoexcellence.org.uk

THE JOURNEY TO EXCELLENCE

Keep up to date

Sign up to our **STEM e-bulletin** which brings the best news about science activities, resources, events and professional learning straight to your inbox:

www.tinyurl.com/STEMebulletin



Our **STEM Central in MOTION blog** also contains loads of useful news: <http://bit.ly/1aY16DS>

Resources

Check out the hundreds of high quality **science videos** available through the **award-winning TWIG** on Glow resource. <http://bit.ly/1gUu99I>



Sunflower Science in Glow provides **interactive animations** which demonstrate many important scientific concepts. <http://bit.ly/1dF2jhQ>

Access National Qualifications course materials for sciences:

NQ course materials: www.educationscotland.gov.uk/nqcoursematerials/

NQ Higher Science: www.educationscotland.gov.uk/highersciences/index.asp

Sciences Glow 365 site: <http://bit.ly/glowsciences>



Our **Working in the energy sector** leaflet gives you key facts about career opportunities in this exciting sector: <http://bit.ly/QZfZwg>

The **award-winning TigTag resource** for primary science is now available to all schools through Glow at <http://www.tigtagonglow.com>



Our **STEM Central** website provides high-quality resources, teaching ideas, videos and interactive activities to develop learning experiences relating to sciences, technologies, engineering and mathematics (STEM).



Visit the website: www.educationscotland.gov.uk/stemcentral/

Websites

Weather and Climate Change



www.educationscotland.gov.uk/weatherandclimatechange/

Resources, background information and videos for practitioners.

Schools Global Footprint



www.educationscotland.gov.uk/schoolsglobalfootprint/

Calculate your school's ecological and carbon footprint.

Exploring Climate Change



www.educationscotland.gov.uk/exploringclimatechange/

More climate resources and information for secondary schools.

Ready for Emergencies



www.educationscotland.gov.uk/readyforemergencies/

Help learners and communities prepare for emergencies.

Useful links

Scottish Schools Education Research Centre: www.sserc.org.uk/

STEM Scotland/STEM Ambassadors: www.stemscotland.com/

Young Engineers and Science Clubs: www.yecscotland.co.uk/resourceskits.html