

# 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](http://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](http://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](http://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/](http://www.educationscotland.gov.uk/nqcoursematerials/)

NQ Higher Science: [www.educationscotland.gov.uk/highersciences/index.asp](http://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/](http://www.educationscotland.gov.uk/stemcentral/)

## Websites

### Weather and Climate Change



[www.educationscotland.gov.uk/weatherandclimatechange/](http://www.educationscotland.gov.uk/weatherandclimatechange/)

Resources, background information and videos for practitioners.

### Schools Global Footprint



[www.educationscotland.gov.uk/schoolsglobalfootprint/](http://www.educationscotland.gov.uk/schoolsglobalfootprint/)

Calculate your school's ecological and carbon footprint.

### Exploring Climate Change



[www.educationscotland.gov.uk/exploringclimatechange/](http://www.educationscotland.gov.uk/exploringclimatechange/)

More climate resources and information for secondary schools.

### Ready for Emergencies



[www.educationscotland.gov.uk/readyforemergencies/](http://www.educationscotland.gov.uk/readyforemergencies/)

Help learners and communities prepare for emergencies.

## Useful links

Scottish Schools Education Research Centre: [www.sserc.org.uk/](http://www.sserc.org.uk/)

STEM Scotland/STEM Ambassadors: [www.stemscotland.com/](http://www.stemscotland.com/)

Young Engineers and Science Clubs: [www.yecscotland.co.uk/resourceskits.html](http://www.yecscotland.co.uk/resourceskits.html)