

## STEM ebulletin

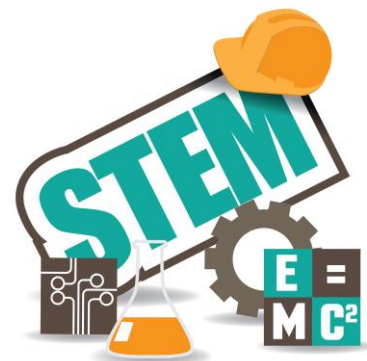
# January 2018

Welcome to our e-bulletin for sciences, technologies, engineering and mathematics (STEM). Please forward to those who may be interested.

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### News

- New! [STEM self-evaluation](#) and improvement framework from Education Scotland for early learning, primary, ASN and secondary school settings.
- [Scottish Education Awards](#) – Help us celebrate your achievements. STEM-related categories include: *STEM Award*, *Digital Learning and Teaching*, *Raising Attainment in Numeracy*, and *Employability and Creativity across Learning Awards*. Apply by 14<sup>th</sup> Feb.
- 2018 – Year of [Young People](#) and Year of [Engineering](#). What are your plans?
- Join our [STEM Yammer](#) Group – ask questions, network, share practice and ideas about STEM.



### Sciences

- Canadian Life Science [Scholarship](#) for S6 students – apply by 1 Feb.
- Scotland's [PISA results](#) 2015 – challenges and what we're doing well.
- [Scientific literacy](#): the beating heart of an effective science curriculum.
- [Citizen science](#): create a passion for science and learning for sustainability.
- *Fat lot of good* – Let's Talk about Health [Public Lecture](#) on 24<sup>th</sup> Jan.
- Take part in the RSPB [Big Garden Birdwatch](#) 27 – 29 Jan.
- Developing Young Workforce Moray Group releases new suite of [careers videos](#).
- Experience the STEM [Careers Hive](#) in the National Museum – 26 Feb to 2 Mar.
- AquaRET Project – free marine renewable energy [posters and resources](#) available.

### Technologies

- Get ready for [Safer Internet Day](#) on 6 February 2018 and download Childnet [materials](#).
- Visit the [Technologies Glow](#) Community for support, advice and resources.
- Free e-book networking with [microbits](#) – hands on activities, examples and definitions.
- [CALL Scotland](#) courses, seminars and workshops.
- Technology [trends for 2018](#) – nine hottest topics in EdTech.
- Free materials for Scratch, HMTL & CSS, Python, Sense Hat, Sonic Pi and Microbit. Email: [scotland@codeclub.org.uk](mailto:scotland@codeclub.org.uk)
- [Airineers](#) competition – Design and make drones, using Autodesk Fusion 360 and 3D printing.
- Science of Learning Zone (Jan to Jun) – [Register](#) now.
- [Podcasts](#) and monthly [Facebook Live](#) events on the Science of Learning.

- National STEM Learning Centre – [online courses](#) for STEM starting soon.
- National pupil online [safety survey](#) – open 1-28 Feb.

### **Mathematics**

- Birthday of mathematician [Joseph Louis Lagrange](#) (25 Jan) – developed metric system.
- Raise money for the NSPCC by taking part in [Number Day](#) on 2 Feb.
- Hub broadcast on S6 Numeracy [Champions](#) – involving young people in their learning.
- Investigate fractals by creating [Sierpinski's triangles](#).