



Full STEM Ahead

The newsletter of the RAiSE Team Issue 2 October 2017

Check out the [Full STEM Ahead](#) site

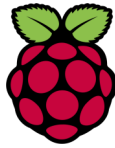
It's bigger and better than ever!!

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Hello World!

Have you read Hello World! yet? It's the digital magazine from Raspberry Pi and BCS/Computing At School for computing and digital maker educators across primary and secondary. It's free to UK educators and you can subscribe [here](#) for either digital editions or a print subscription delivered straight to your door (for those of you who prefer to read it old school style on the sofa with a cup of coffee).



Citizen Science

Have you heard of 'citizen science'? Wikipedia describes it as: 'scientific research conducted, in whole or in part, by amateur (or nonprofessional) scientists.' In other words ... getting your pupils involved in gathering scientific data for real research projects. You will probably have heard of, and hopefully participated in, the [Big Garden Bird Watch](#) organised by the RSPB, but there are lots of other opportunities out there.

This month we have added a link to the Royal Society of Chemistry. In their Experimentation Hub they are currently running [Mission: Starlight – a global experiment on UV protection](#). This involves quite simple experiments to find out which materials would be best to protect an astronaut from UV rays in space. The only specialist equipment you need are UV sensitive beads which you can buy for under a fiver on Amazon. It would be fantastic activity for any class but especially if you are going to be doing Space this session.

The RAiSE Team have also been in discussions lately with staff from the University of the West of Scotland, around the possibility of schools getting involved with their BREATHE project. The project is researching the high incidence of Chronic Obstructive Pulmonary Disorder (COPD) in Dumfries & Galloway and Ireland. This could be an exciting opportunity for your class



What's New

Check out recently added resources on the [Full STEM Ahead](#) site:

[SSERC \(Scottish Science Education Research Centre\)](#)

[Young Engineers & Science Clubs Scotland;](#)

[The Royal Society of Chemistry](#)

[Royal Academy of Engineering](#)

[The Universe of Engineering;](#)

[Lego WeDo and Mindstorm;](#)

[ZU3D Animation Software](#)

[Food Standards Scotland.](#)

[Raspberry Pi Pioneers;](#)

[BPEducational Services](#)

[CREST Awards](#)

[My World of Work;](#)

[DigitalWorld;](#)

[Marketplace;](#)

[MakeyMakey;](#)

[Explorify](#)

[Generation Science;](#)

[e-Bug;](#)

[Google for Education;](#)

Why not take a few minutes to check them out now – it could save you hours of planning time in the future!

Don't forget to [Contact Us](#) and share your favourites!

Funding Update

Dumfries and Galloway schools can again apply for [Edina Trust](#) funding of up to £600 in session 2017/18 (that's £100 more than last session); and if you applied last session the good news is you can apply again. It is really (and we mean REALLY!) simple to apply; and the best thing is that as long as your project is science based you are GUARANTEED the money. Yet some schools didn't apply last session. Don't lose out this year! If you need any help with your application please get in touch with one of the RAiSE Team – we'd love to help.

Edina
Trust

We have also added a link to a new crowd-funding platform called Rocket Dog, which specialises in helping schools raise funds to buy technology. Find the link on our [Funding](#) page.

[Sign up for Full STEM Ahead on Yammer](#)



Internet Safety

Did you take part in Safer Internet Day last session? This session SID will be on Tuesday 6th February 2018 (registration will open in October). We really hope you will all pop that in your diary, but it is still sometime away. Cyber resilience and internet safety is something we should be reinforcing throughout the year, so if you haven't visited this topic with your class for a while why not check out the resources on our [Cyber Resilience &](#)

Have you seen the latest ...



[SSERC Bulletin](#)
[Primary Science & Technology Bulletin](#)

Save the Date

[What's Under Your Feet](#)—9-31 October 2017—citizen science opportunity

[CPD—Outdoor Learning with Citizen Science](#)—25 October 2017—0930-1631 hrs @ Rouken Glen Country Park, Giffnock— £50

[British Science Week Grants](#)—Closing date 13 November 2107 @ 12 noon

[Big Garden Bird Watch](#)—27-29 January 2018

[Safer Internet Day](#)—6 February 2018

[Careers Hive](#)—26 February – 3 March 2018

[British Science Week](#)— 9 – 18 March 2018—Theme: 'Discovery and Exploration'. Apply for funding now. Activity packs: available from January

2Simple

Most schools in D&G have 2 Simple software installed on their network (you'll find the folder in your Programmes Menu). It's often used at early and first level, but there are also some aspects that will challenge older pupils. To see how you might use it across the stages, check out their scheme of work [here](#).

Continuous Lifelong Professional Learning

Next term we will be offering a number of twilight CLPL courses on themes including: BBC Micro:bit; Green Screen; Chesmistry Through Outdoor Learning; Early Year's Science; Cyper Resilience; and more. Course will run across the region and are bookable through CPD Directory. Subscribe to our [Yammer Group D&G Full Stem Ahead](#) to be the first to know when new courses are added.



[Subscribe to the Blog @ Full STEM Ahead](#)

Coding at Home

Many of the online coding platforms offer home access for pupils. One of these is Kodable, and if you aren't already using this feature you can find out how to [here](#). Please remember that if you are using any online platform that requires you to create accounts for your pupils then you should complete a Privacy Risk Assessment and get Parental Permission. We are adding forms for the most popular sites (including Kodable) to our [General Support & Reference](#) page. If there is a site you would like to us to create a form for please [Contact Us](#).

Digital Schools Awards Expands

So far 2315 primary schools have registered for the Digital Schools Award programme with 468 successful having achieved the award – including our own Calside Primary in Dumfries, the first D&G school to gain the award. This month the programme was extended to include Secondary schools – well done to Sanquhar Academy for being one of the first to register. You can find out more about the programme [here](#); and remember the RAISE team will be happy to advise or support any school who is going through the award or thinking of registering.

FREE Workshop

Have you booked your FREE Barefoot Workshop yet? Get your request in before the end of October for a workshop to be held before 31st December and you will receive a fantastic New Term Survival Guide full a of great resources. Get more information and book here: <https://barefootcas.org.uk/>

Contact
US

Karen Creighton gw08creightonkaren@ea.dumgal.sch.uk
Carol Moyes gw08moyescarol@ea.dumgal.sch.uk
Keith Walker gw08walkerkeith@ea.dumgal.sch.uk
Nicola Henry gw09henrynicola2@ea.dumgal.sch.uk

