

digit<all> february newsletter



Digit<all> is one year old and, to use a hackneyed phrase, what a year it's been! We've supported the computing education of over 40,000 young people, trained teachers and worked with organisations such as micro:bit, Amazon, CodeWeek and UKRI. All in the name of spreading the word about using digital education become more active, engaged citizens and problem solving engineers.

We thought the best way to celebrate was by starting a newsletter, so here it is. Thank you for taking the time to read this and for being the most vital part of the impact we hope to have on young people.

CS Ed Week

We're also celebrating the winners of our CS Ed Week competitions that took place in the run up to Christmas. Congratulations to RGS The Grange for winning the [Tackle Coding](#) prize and Sandhills School for the [EnviroMe](#) prize. Both schools have won a [£100 Amazon gift voucher](#). Both resources are still available on the website if you want to check them out.

Here's what Matt from RGS The Grange had to say about the Tackle Coding Resources:

"The Tackle Coding resources were creative, challenging and relevant. Linking the project with the England Women's football team was really important as it captured the feeling of pride our girls had watching and cheering on their heroines to victory last summer in the European Championship. As a Computing teacher the project was pitched perfectly and there were loads of creative ways our pupils improved, enhanced and edited their own versions of the project"

birdwatch

The Big Schools' Birdwatch event took place at the Rutherford Appleton Laboratory in Chilton near Didcot. Digit<all> were lucky enough to support the event, bringing together Year 6 children from local schools in Oxfordshire for a day of coding with the micro:bit. During the session they used the radio function to transmit frequencies of species exploring networks, channels, encryption and protocols.



NCT nature reserve

Digit<all> Ambassador and Director of Computing at Northfleet Technology College, Michael Jones, has recently returned from the Zayed Sustainability Prize conference in Abu Dhabi where his school's work on creating an urban nature reserve made it to the final three of the international competition. The ongoing project includes equipping the site with an array of trail cams to monitor fauna, monitoring the atmosphere remotely using solar with data transmitted wirelessly (no cabling laid in the ground).

They will install an AI driven bird cam that will automatically report on what birds are visiting and are going to catalogue insect and flora life. Finally, there's the planting of several hundred trees to scrub the air and capture CO2. The project has a community focus, involves other schools and of course utilises links with other areas of the curriculum such as Maths and Science.

Please visit their [blog](#) and have a look at their inspirational work.

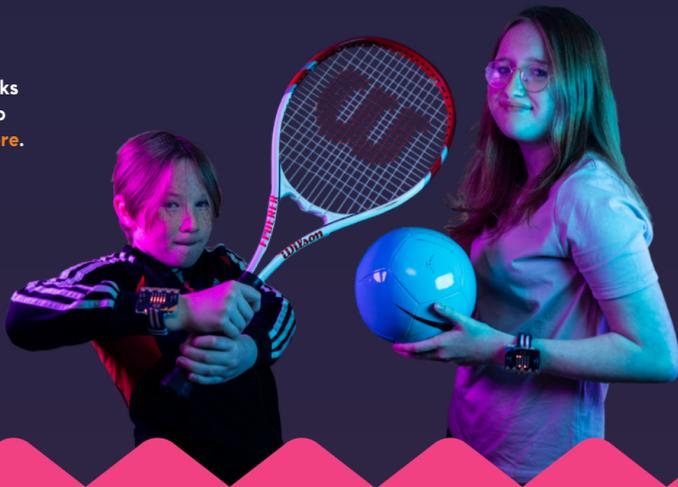
micro:bit classroom

We've been playing with [this cool tool](#) over the last few weeks. It's a great way to share prewritten micro:bit code and monitor and assess student progress (as well as enjoyment!). The fact that you can download student code at the end of the lesson is also a great way to evidence work which as teachers of Computing know can be tricky.

get involved

We offer all resources and CPD for free thanks to your support and time. If you would like to make a donation, thank you! You can do it [here](#).

If you are able to offer some time, have an idea for a CPD event or would like us to support a project or event you're involved with, we'd love to hear from you. Please get in touch with us via info@digitall.charity.



code week resources

- [enviroMe](#)
- [CSEdWeek Tackle Coding](#)
- [Cold Feet](#)
- [The Adventures of Fifi, the Life-Saving Llama](#)
- [amazon future >> engineer](#)



Professional Development (Primary)

We are a charitable institution, so any support is appreciated.

- 02/02/23** Introduction to the Crumble 16:00 – 17:00
- 20/02/23** Deep Dives in Computing 16:00 – 17:00
- 01/03/23** Creative Computing 16:00 – 17:00
- 02/03/23** Computing Assessment 16:00 – 17:00
- 17/03/23** Teaching Primary Computing through Contexts 09:30 – 15:30



Professional Development (Secondary)

- 02/02/23** A Level Dijkstras and Reverse Polish Notation 16:00 – 17:00
- 06/02/23** Increasing Uptake Of Girls In Computing 16:00 – 17:00
- 01/03/23** A Level Stacks & Queues 17:30 – 18:30
- 09/03/23** A Level Recursion - Creative Approaches 16:00 – 17:00
- 23/03/23** Physical Computing with Arduino 16:00 – 17:00

