Hello!

Welcome to the first newsletter of the summer term. Hopefully, you are now settled back into some sort of routine, now we are back in school. Being on the frontline, you won’t need me to highlight how digital skills have risen to the front of the priority list – the following post is a really good summary and its interesting to reflect on Maggie Philbin’s comment about digital skills needing to be woven through each subject. Also mentioned is the importance of role models and the highlighting of digital careers – which is something our STEM Ambassador hubs can support with. Join us on 24 June 4-6pm to find out more book here.

If you have any questions about anything tech related – teaching or otherwise – do join us on a Monday evening 7-7.30pm (except for Bank Holiday) for our ‘Twilight Tech chat for Teachers & TAs’ – put your questions to our resident experts. Sign up here, just drop in and get your answer or feel free to stay and see what you find out.

Undoubtedly, you will be aware of the gender imbalance and the various initiatives around to help increase the number of girls opting for computing in school. We are delighted to be collaborating with several other Hubs on the Girls in Computing Conference on 25 May. This is for both primary and secondary teachers, is fully funded and has a selection of workshops and keynotes, so something for everyone. The programme for the conference is here and we are delighted to welcome the keynote speaker: Joanna Chwastowska from Google. Do also check out the variety of different workshops including a session where you will hear from different STEM Ambassadors about how they use Computing skills in their day-to-day activities. Booking is via this link.

If you are teaching A-level or BTEC/OCR then you may already be aware of the Amazon Future Engineer Bursary – an initiative to support female students from low-income households who wish to study computer science or related engineering courses at UK universities. Read more here. (Applications close on 14 June at 4pm.)
Sticking with our older students – this would be great for Year12/13, MEI is offering an **Introduction to Data Science** – a short course which consists of eight lessons of short videos and programming tasks in Python. Please note that previous knowledge of Python is not assumed. It’s designed to be studied independently and can be completed in the summer term of Year 12, or over the summer break between Years 12 and 13. The lessons include:

- Data presentation/visualisation
- The Data Science cycle
- What’s next with Data Science

Throughout the resources, there are examples using the data sets for each specification: AQA, Edexcel, OCR, and OCR (MEI). Information and access is [here](#) and if you want to find out more, there are **webinars** as follows:

- **The Introduction to Data Science Short Course** on Tuesday 18 May 2021, 16:30-17:30 – Explores the course and describes some of the ways that you can use it with your students.
- **Data Science concepts covered by the course** on Tuesday 15 June 2021, 16:30-17:30 – A more detailed look at the ideas in the course and how they’re developed.
- **Programming in the Introduction to Data Science Short Course** on Tuesday 22 June 2021, 16:30-17:30 – Provides guidance about how to use Kaggle and support with the Python code used throughout the course.

Register via this [form](#).

Looking to support your exam-stage students with assessment – then **Isaac computing** has lots of [resources](#). There are also some helpful transition guides for students moving from GCSE to A-level.

Gender balance in Computing is also recruiting for different initiatives again – find out more [here](#).

Computing is not always associated with Sewing – but [read](#) how a knowledge of computational thinking could come in handy for Great British Sewing Bee enthusiasts.

If you are looking for inspiring resources – such as posters focusing on roles and role models – then do check out the following links, we’re sure you’ll find something to suit your particular needs:
If you are a primary teacher – which areas of the Computing Curriculum have you prioritised since returning to the classroom? This was a topic recently discussed on the CAS Community where several respondents focused on programming units. If you need ideas or resources – don’t forget the Teach Computing website has plenty and you can sort by key stage. And don’t forget CodeClub which has lots of brilliant projects, an online training course and information on how to set up your own club.

Do you receive Hello World magazine? If so – then you may already have read Phil Bagge’s article on how he implemented PRIMM with his primary pupils. If not, you can sign up here for free with print or digital options available.

Want to know more about Tinker CAD? Then join the CAS meeting below to find out more:

**Computing at School Primary Meeting (FREE) - 10th June 4-5.30pm**

**Topic:** Tinker CAD training with Create Education linked to the Teach Computing Curriculum planning: [https://teachcomputing.org/curriculum/key-stage-2/creating-media-3d-modelling](https://teachcomputing.org/curriculum/key-stage-2/creating-media-3d-modelling) Book here

**Forthcoming CPD**

**Primary:**

Leading primary Computing 28 & 30 June – a new 2-day course to help computing coordinators to clarify their role and develop and implement a broad and balanced curriculum. Remotely delivered; more info & booking via our website
Teaching & Leading KS1 (Module 2) 26 July – a follow up to the Module 1 CPD we offered earlier this year—remotely delivered – info and booking here.

We are currently planning our autumn programme; so, if you have any requests then please do let us know at T.Computing@eatonbank.org.

**Secondary:**

Higher Attainment in Computer Science - Monday 24 May – helping you to support an increase in student attainment; delivered remotely more info and booking here.

Python Programming: Analysis, design & evaluation – helping you to understand how programmes are developed (two date/time options available)


Fundamentals of Computer networks – 2 date/time options – Demystify the hardware and network topologies used for data transfer between computers, helping you to make the topic engaging and relevant for students; see here for more info.

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