



Bishop Challoner Catholic College
Birmingham and Central Midlands

Your local
computing news,
events and
updates

Welcome to our February newsletter. We have had a great start to 2024 with meeting lots of you at our face-to-face courses. After listening to feedback on extra support and CPD you would like, we have been busy preparing our remote conference for March.

Computing Hubs

Enriching your Computing Curriculum

A Remote Conference for Teachers in the West Midlands and South West England

Wednesday 20th March 2024

1:15pm - 4:00pm (via MS Teams)

KEY NOTE:

Inspiring Students to Consider Careers in Technology

Becky Patel, Head of Education and Learning - Tech She Can

Primary Workshops:

- Preparing for Ofsted Computing and SEND*
- Teach Primary Computing Certificate*
- Code Club*

Secondary Workshops:

- Creative Coding for KS3*
- I Belong Evidence and Insights Accredited Certification in Computing*

Primary and Secondary Workshops:

- Cyber Choices - Regional Cyber Crime Prevent Team*
- Artificial Intelligence (AI)*
- Deeper Dive into Tech We Can*

PRESENTATION AND DISCUSSION:

Getting Started with the Computing Quality Framework (CQF)

Sarah Vaughan and Pam Jones, Primary and Secondary Computing Hub Leads, Birmingham and Central Midlands Computing Hub

FREE TO ATTEND*

For more information and to book your place please visit:

<http://tinyurl.com/ympte97u>

*For all teachers in state-maintained schools in England

Book your place here

Accredited Certificates

The new certificate looking at encouraging girls into computer science is the I Belong certificate.

- ~ Attend a 2 hour short course
- ~ Download the handbook
- ~ Request your printed I Belong posters
- ~ Add to evidence box the units identified in the handbook that you are using
- ~ Evidence the engagement activity that you have run.

Pam Jones, our Secondary Computing Hub Lead has created a 1 page document to help with how to evidence the engagement activity, email [Pam](#) for a copy.

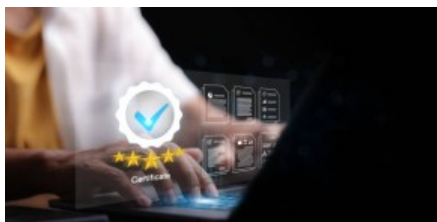
All certificates that can be worked towards are:

- Computer science subject knowledge certificate (CSA)
- Secondary Certificate
- I Belong certificate
- A Level subject Knowledge

We can support you through the certificates and understanding the evidence required or the process for certification.

Get in touch to find out more

Secondary Certificate



Have you completed your subject knowledge certificate (CSA) and now ready for the next step?

The Certificate in Secondary Computing Teaching allows you to choose from five pathways:

- Raising student attainment
- Curriculum leadership
- Supporting other teachers
- Championing diversity and inclusion
- Developing teachers

Each pathway suggests activities and CPD that would help you complete the certificate.

[Pam Jones](#), our secondary Computing Hub Lead can meet and discuss your own personal certificate needs and support with evidence requirements.

Getting started with the Computing Quality Framework (CQF)

The computing quality framework offers you the opportunity to self assess the current computing provision across the seven dimensions below:

- Leadership and Vision
- Curriculum and Qualifications
- Teaching, Learning and Assessment
- Staff Development
- Diversity, Inclusion and SEND
- Careers Education
- Impact on Outcomes



The first steps is to create an account and complete a simple baseline assessment.

All you need to do is access **each of the dimensions** and **click on the level** you think you are starting from and click **save** located at the top of each lists of levels.

Once you have this saved you can return to this at different intervals to review and add

evidence. As a computing hub we can support you with this process.

[Click here to get started](#)

Face to Face CPD



Python programming constructs: sequencing, selection and iteration

Take your first steps to becoming a competent teacher of Python programming; this CPD will develop your foundational knowledge around the Python language.

Date: **18th March 2024**

Time: 9.30am - 3.30pm

Location: Bishop Challoner Catholic College, Birmingham

[CLICK TO BOOK](#)

Remote Courses



The Internet and Cyber Security

Build on knowledge of local computer networks to cover the globally connected systems forming the internet.

Date: **27th February 2024**

Time: 9.30am - 3.30pm

[CLICK TO BOOK](#)



Diagnostic Assessment for GCSE Computer Science

Learn how to use quality-assured, free subject knowledge tests for diagnostic assessment of students of computer science GCSE.

Date: **7th March 2024**

Time: 4.00pm - 5.00pm

[CLICK TO BOOK](#)

Further CPD

Plan ahead for next year to book in CPD for yourself or others in your school. Below is a selection of courses scheduled for the Spring and Summer term.

[Read more](#)

Bespoke CPD at your School

Do you have enough teachers to run a course of choice at your school? Get in touch to discuss the CPD needs of your teachers both specialists and non specialists and we could run an instance at your school at a time suited to your needs. There are subsidies available for hosting a course delivered by us. Contact **Pam Jones**, Secondary Computing Hub Lead to discuss further p.jones@stem.org.uk

Cyber Choices - Regional Cyber Crime Unit



The Regional Cyber Crime Prevent Team are here to work with you to identify those who are gifted and talented in the world of Cyber, as well as those who are vulnerable or at risk of Cyber exploitation and committing Cyber Crime, in order that we can work together to educate and divert them.

Click on the link below or scan the QR code to access resources and see how they can support you through their 'one to one' referral system.

[Cyber Choices \(padlet.com\)](https://padlet.com)



MOD Cyber Security program

STEM Learning are excited to introduce an upcoming MOD Cyber Security program tailored for Year 10 and 11 students. The three one-hour sessions designed to fit seamlessly into existing STEM or extracurricular clubs aim to provide practical insights and careers advice for the world of cyber security.

After provided training, the first two sessions can be delivered by a member of staff, covering fundamental concepts of cyber security. The provided top-quality resources, including teacher guides and student workbooks, ensure that sessions are both fun and informative. The final session, with the potential to be guided by a STEM ambassador, offers real-world insights and careers advice from experts in the field.

Key Details:

- **Focus:** Cyber Security and Careers
- **Delivery:** 3 x 1hr sessions
- **Target Audience:** Year 10 and 11 students
- **Timeline:** Sessions to be delivered by end of March 2024

With over 100,000 cyber security based roles advertised each year in the UK; cyber security is an increasingly important topic for students to grasp. We believe this program will enrich your students' understanding of cyber security, offering valuable skills for the future.

[Click here to express your interest](#)

Express your interest to be one of the Computing Professional Development Leaders (PDLs)?

We rely on a network of professional development leaders (PDLs) to deliver, develop and review continuing professional development across the network.

Are you or do you know anyone are interested to be one of our PDL? Please contact us at teachcomputing@bishopchalloner.bham.sch.uk to get in touch.

[Click Here for Further Information](#)

Message from Secondary Computing Hub Lead

Want to discuss your schools computing curriculum offer and what is on offer in the area?

You can request a meeting with **Pam Jones**, our Secondary Computing Hub Lead.

[Schedule your meeting here](#)

Venue Available to Hire?

We are seeking new venues to host our courses in order to increase our offer and make it accessible for more teachers. If your school has a suitable room to hire and you have the facilities to provide refreshments (subsidies are available to cover the costs) and possible photocopying if required, please contact us to discuss further:

teachcomputing@bishopchalloner.bham.sch.uk

Stay updated with Birmingham and Central Midlands Computing Hub!

www.bctsa.org/computing-hub

Contact us for further information:

teachcomputing@bishopchalloner.bham.sch.uk

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Computing Hubs are part of the National Centre for Computing Education and are led by schools and colleges across England with excellence in teaching computing. These Hubs support schools and colleges to provide a high-quality computing education to all young people. © STEM Learning Ltd

