This booklet provides courses and subscription packages that are available for secondary schools. There is a limited amount of bursary funding to cover ‘Teacher Release Payments’. Please contact us for more information.

Bishop Challoner Catholic College
Institute Road
Kings Heath
B14 7EG
Using the OFSTED science research review to move your curriculum towards excellence

Tuesday 29th June 2021, 09:00-15:30
Bishop Challoner Catholic College, B14 7EG

A facilitated peer network event for science leaders to work together to evaluate their curriculum against the OFSTED science research review findings. Facilitator support will be available to begin any redesign process following this evaluation.

- **Morning Session:** Unpicking the review: identifying how the review findings inform curriculum design
- **Afternoon Session:** Identifying the principles and actions required to develop their own curriculum
- **Cost:** £185 for the day includes refreshments

Opportunity to receive £100 back in “Teacher Release Payment” so day would cost £85

If you are interested in the 'Teacher release payment' please contact Chris Catto
c.catto@bishopchalloner.bham.sch.uk

Outcomes Participants will:
- Become familiar with the key findings of the OFSTED science research review
- Discuss implications with peers within and across phases
- Be able to review their curriculum against the findings
- Begin, with support if required, to develop their curriculum in the light of the evidence presented

This network event is suitable for:
- Heads of science in secondary
- Science subject leads in primary science
- Senior leaders who line manage science
- Science teachers involved in curriculum design
- Teacher training leads for science

BOOKING LINK
https://tinyurl.com/OfstedF2FTraining

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencepartnership@bishopchalloner.bham.sch.uk
0121 441 6128
BIOLOGY CPD FOR NON-SPECIALISTS
WITH SOPHIA MAYOR

Face to face training at Birmingham City University, HELS Faculty, School of Education: SCT 201, City South Campus, Westbourne Road, B15 3LT
Tuesday 6th July 2021, 09:00-15:00.

This course is aimed at non-specialists that find themselves teaching Biology, particularly to GCSE level. Designed to support teachers who are non-specialists, you will develop the background subject knowledge required to help planning and teaching biology for key stage 3. Gain the tools and confidence to plan and teach your biology classes effectively. You will explore ways of building student understanding, taking into account misconceptions and common issues in teaching these concepts.

Lunch and refreshments will be provided on the day

You will be able to:
• Improve your subject knowledge of chemistry topics that relate to the curriculum
• Develop strategies to teach the tricky parts of the curriculum
• Use models and understand common misconceptions to ensure teaching of the subject is effective
• Utilise resources to help with development of subject knowledge

Cost - £185 per participant
BOOKING LINK
https://tinyurl.com/BiologyBCU

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencepartnership@bishopcalloner.bham.sch.uk
0121 441 6128
PHYSICS TRAINING FOR NON-SPECIALISTS

Tuesday 13th July 2021

Join Phil Jones for virtual Physics training in July. Two sessions will be taking place focusing on Electricity and Magnetism & Electromagnetism. There is the opportunity to attend both sessions or for you to choose between the two.

Electricity
- Login - 12:45-12:50
- Training - 12:50-13:50
- Plenary - 13:50-13:55
- Cost - £25

Magnetism & Electromagnetism
- Login - 15:30-15:35
- Training - 15:35-16:35
- Plenary - 16:35-16:40
- Cost - £25

https://tinyurl.com/ElectricityNonSpecialists
https://tinyurl.com/MagnetismElectromagnetism

If you would like to sign up to both sessions, please book via this link below. By signing up to both courses, you will be able to attend for £45.

https://tinyurl.com/NonSpecialistPhysics

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencespartnership@bishopcalloner.bham.sch.uk
0121 441 6128
PHYSICS CPD FOR NON-SPECIALISTS

WITH PHIL JONES

Face to face training at Birmingham City University, HELS Faculty, School of Education: SCT 201, City South Campus, Westbourne Road, B15 3LT
Wednesday 14th July 2021, 09:00-15:00.

Layout of the day

09:00 - 09:30 Registration/coffee
09:30 - 11:00 Session 1 - electricity
11:00 - 11:30 Coffee break
11:30 - 12:50 Session 2 - magnetism
12:50 - 13:35 Lunch
13:35 - 14:45 Session 3 - electromagnetism
14:45 - 15:00 Plenary/evaluations

Lunch and refreshments will be provided on the day

Cost - £185 per participant
BOOKING LINK
https://tinyurl.com/PhysicsTrainingBCU

"Phil has helped address the common misconceptions that take place within my GCSE physics lessons....the practical demonstrations were useful"
Teacher who attended 'Magnetism and electromagnetism' training with Phil in January 2021

"All sessions with Phil are engaging and provide me with new ideas I can deliver to my students in the classroom"
Teacher who attended Physics TSST training with Phil in October 2020

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencepartnership@bishopcalloner.bham.sch.uk
0121 441 6128
CHEMISTRY CPD FOR NON-SPECIALISTS
WITH KHATMA BIBI

Face to face training at Birmingham City University, HE LS Faculty, School of Education: SCT 201, City South Campus, Westbourne Road, B15 3LT
Monday 19th July 2021, 09:00-15:00.

This course is aimed at non-specialists that find themselves teaching chemistry, particularly to GCSE level. During the day, subject knowledge in the seven key topic areas will be covered along with common misconceptions. Strategies will be developed to help with effective teaching of the tricky bits of the curriculum and participants will be signposted to resources that will help to develop their teaching of chemistry.

Lunch and refreshments will be provided on the day

You will be able to:
• Improve your subject knowledge of chemistry topics that relate to the curriculum
• Develop strategies to teach the tricky parts of the curriculum
• Use models and understand common misconceptions to ensure teaching of the subject is effective
• Utilise resources to help with development of subject knowledge

Cost - £185 per participant
BOOKING LINK
https://tinyurl.com/ChemTrainingBCU

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencepartnership@bishopcalloner.bham.sch.uk
0121 441 6128
EARLY SECONDARY CAREER NETWORK

Practical science is an important part of every science teacher's training. Unfortunately the current circumstances have meant that trainees, NQTs and RQTs have not had the same experience to develop their practical teaching. This is why we have developed a 2 year programme to support our 'early secondary career network' which sits alongside and enhances the Early Career Framework. Please contact us if you have any questions regarding the offers.

**How will this benefit your school?**

- Additional subject specific practical skills training for your teachers
- Teachers will join a network of other early career science teachers from across the West Midlands
- Immediate assistance with questions from experienced practitioners via our STEM Community online group
- Retain high quality staff as they are being invested in

We have two packages of support available which both include the following...

Termly remote twilight CPD and discussion sessions on the following topics with suggested dates:

**Year 1:**
- Developing science teaching - evidence informed practice - 6th October 2021
- Literacy - reading in science - 18th January 2022
- Embedding retrieval practices - 28th April 2022

**Year 2:**
- Misconceptions and Threshold Concepts
- Literacy - writing in science
- Raising awareness of Science Capital

Wrap around support includes access to STEM Community groups with expert advice on hand, STEM Club Champions and STEM Ambassadors

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencepartnership@bishophalloner.bham.sch.uk
0121 441 6128
EARLY SECONDARY CAREER NETWORK

Option 1 - £450 per teacher:
Three full days of practical CPD – one per half term for the first three half terms on these topics:

- **Biology - 6th July 2021, 09:00-15:00**
  Birmingham City University, HEls Faculty, School of Education, B15 3LT Birmingham
- **Chemistry - 19th July 2021, 09:00-15:00**
  Birmingham City University, HEls Faculty, School of Education, B15 3LT Birmingham
- **Physics - 14th July 2021, 09:00-15:00**
  Birmingham City University, HEls Faculty, School of Education, B15 3LT Birmingham

These will look at common practicals, common misconceptions surrounding these practicals, troubleshooting tips and links to required practicals and exams. (Lunch & refreshments included).

https://tinyurl.com/SLPOption1

Option 2 - £300 per teacher:
Three half days of practical CPD – one per half term for the first three half terms on these topics:

- Biology
- Chemistry
- Physics

These will look at common practicals, common misconceptions surrounding these practicals, troubleshooting tips and links to required practicals and exams.

https://tinyurl.com/SLPOption2

"Brilliant demonstrations and explanations for non-specialists - very helpful"
Teacher attending training in March 2021

"I have needed to attend practical demonstrations for a while now and this session was a great way to learn"
Teacher attending training in November 2020

Central Midlands Science Learning Partnership
21 Institute Road, Kings Heath, Birmingham, B14 7EG
sciencepartnership@bishopcalloner.bham.sch.uk
0121 441 6128
Secondary Science Subject Leaders Network
West Midlands

Being a member of a Science Learning Partnership network gives Science Leads the opportunity to collaborate, share best practice, and have access to the latest developments in science education and CPD.

Why subscribe to the network?

Network membership gives access to three Science Lead meetings a year and a secondary subject leads conference annually looking at key innovations in the Science education sector. This high quality CPD from STEM Learning will improve and expand your opportunity to network with professional colleagues.

**October 2021 – National updates, exam analysis and priorities for a new school year.**

*Tuesday 12th October 2021, 16:00-17:30*

This session outlines any national data analysis, updates from Ofsted/Ofqual and other professional bodies and will allow new and experienced subject leaders to reflect on their strategic plans for the new school year and share priorities and strategies ready to meet the needs of pupils, leadership teams and Ofsted.

**January 2022 – CPD update.**

*Wednesday 26th January 2022, 16:00-17:30*

This session will give you an opportunity to discuss key CPD focus from research evidence and identify actions for improvement plans that will impact on teaching and learning. It will provide resources to effectively lead a CPD session back in school around the focus discussed at the meeting.

**Spring/Summer 2022 – Reflecting on the past year and planning for the new school year.**

*DATE TBC*

You will reflect on the evidence from your context and identify evidence based strategies to support pupil progress in science in the year ahead. The session allow time to reflect on priorities for learning in science departments and will model effective tools to develop a recovery curriculum, including upskilling your team.

Access to the conference is available for only £250 for a whole school membership!

Networks are beginning in October 2021 and will be delivered remotely via zoom. There will be termly opportunities for local face to face meetings as follow up from the main meetings as required.

If you have expert facilitators they can work with us to lead some of the sessions or collaboration across schools/MATS both could reduce the cost to school groups.

Access to just the subject leader networks is £180 for all three (this means that on the full package you are accessing the conference day for £75 rather than the normal £100).

To subscribe, or for more information, please contact c.catto@bishopchalloner.bham.sch.uk
Termly local meetings will complement the network meetings and will centre on opportunities for action planning, implementation and sharing best practice. These may be face to face or remote depending on demand in your local area.

We cover the following areas in the West Midlands:
- Stoke on Trent
- Wolverhampton
- Birmingham
- Coventry
- Staffordshire
- Warwickshire
- Worcestershire
- Shropshire
- Herefordshire
- Sandwell
- Dudley
- Walsall

Our annual heads of science conference takes place in November and will include: keynote on the latest research into science pedagogy, updates from Ofsted/Ofqual, updates from exam boards, STEM Ambassadors, RSC, ASE, and workshops focusing on implementing best practice into science lessons.

Our conferences in 2021 will take place in venues around the West Midlands including Birmingham, Wolverhampton, Coventry, Stoke on Trent and Worcester.

Wrap around support includes access to the STEM Community where you will be connected to a variety of likeminded individuals who can share best practice and answer questions. There is also support from our local STEM Ambassador Hub and STEM Club Champions.

Sign up now!
Secondary Science Subject Leaders Network

Meetings
https://tinyurl.com/WMNetworkMeetings

Meetings & Conference
https://tinyurl.com/WMNetworkMeetingsConference
Science Learning Partnership
Technician Network Subscription

Being a member of a Science Learning Partnership network gives Science Technicians the opportunity to collaborate, share best practice, discuss the latest health and safety updates and have access to the latest developments in Science Technician practice and CPD.

Why subscribe to the network?

Network membership gives access to at least 3 events over a 12 month period including at least 2 network meetings and our annual summer conference.

The cost is £180 per school rather than for an individual. This represents a minimum saving of around 20% for a school with one technician.

In addition, further Science Learning Partnership Technician CPD will attract a 25% discount.

Network meetings and CPD events are facilitated by expert and experienced Technicians and consultants and will be responsive to Technician needs.

If you are part of a network of schools such as a Multi-Academy Trust we may be able to negotiate additional discounts dependent on the number of schools wishing to participate.

Please contact us for more information shawley@potteries.ac.uk (Sue Hawley)

How do I subscribe to the network subscription?

Simply email shawley@potteries.ac.uk to confirm that:

- you would like to sign up for the Network Subscription for your school
- your school will authorise the payment of £180 and supply a purchase order number where possible
- Provide the name of a lead technician for this subscription

We will provide you with a discount code to use for booking onto your selected events.

North Midland and Black Country Science Learning Partnership
Potteries Educational Trust
c/o City of Stoke-on-Trent Sixth Form College
Leek Road, Stoke-on-Trent, ST4 2RU
NMSLP@potteries.ac.uk 01782 854222
Opportunities available to you

Technician Network—Autumn Term 2021 - Date to be confirmed

and

Technician Network—Spring Term 2021 - Date to be confirmed

Plus

Technician Conference

**Event Code: RC606 C03**  **Face to face 21st October, 2021**

We are delighted to be hosting this face to face conference at the City of Stoke-on-Trent Sixth Form College. In addition to face to face practical workshops there will also be a remote facilitated strand for people who are not able to attend in person.

Workshops will include A Level practical work, Technician professional recognition and development, data logging, CRISPR and Gel Electrophoresis, electronics kit to support KS3 and 4 Physics, RSC Chemistry, Supporting STEM Clubs, microscale approaches and working safely glass.

**Early Bird bonus event**

**Event Code: RC606 C04 remote on-line event**  **15th July, 2021**

A keynote will be presented by CLEAPSS

Workshops will include:

Royal Society of Chemistry - Professional registration for technicians
Royal Society of Chemistry - Titrations without breaking burettes
Gratnells - What's in my tray?Keeping practical science alive

**Other events currently available to you at an additional cost with 25% discount**

**RX022 CC03**: Technician Maintaining Your Prep Room starts 6 July 2021
**RX024 CC01**: Setting up your own STEM Club starts 13 July 2021.
Wrap around support includes access to the STEM Community where you will be connected to a variety of likeminded individuals who can share best practice and answer questions. There is also support from our local STEM Ambassador Hub and STEM Club Champions.