

**HAMPSHIRE & DORSET  
SCIENCE LEARNING PARTNERSHIP**

**PRIMARY  
SCIENCE COURSES  
SPRING TERM**

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## HAMPSHIRE & DORSET SLP

Science Learning Partnerships are your local curriculum hubs for Science. Hampshire and Dorset SLP is led by Thornden School in Hampshire, which is part of HISP Multi-Academy Trust. As a SLP we work collaboratively with schools across the region, combining local expertise in primary, secondary and post-16 teaching and learning in science, facilitating CPD, and providing school to school support.

More information can be found at:

<https://www.thornden.hants.sch.uk/sciencelearningpartnership>

## WELCOME FROM STEVE SMITH

Welcome to the Hampshire and Dorset Science Learning Partnership Spring Term face to face CPD overview. We'd like to thank everyone who engaged with us last term both face to face and remotely through our network meetings and training programmes.

This term we are expanding our offer in terms of both the types of CPD programmes and the locations of delivery so that we can hopefully meet more science colleagues across the large region we cover as an SLP. As well as the face to face CPD we'd also like to draw attention to the extensive online CPD offer we are running in collaboration with Oxfordshire and Reading, Sussex and Surrey and Kent and Medway SLPs.

To find information about our programmes, including how and which courses are subsidised through the use of teacher release payments, we suggest checking out our webpage Science Learning Partnership ([thornden.hants.sch.uk](https://www.thornden.hants.sch.uk)) and to follow us on Twitter [@hantsdorsetslp](https://twitter.com/hantsdorsetslp). Please also get in touch by emailing [c.langley@hispmat.org](mailto:c.langley@hispmat.org) if you would like any bespoke science CPD for your school or MAT.

Wishing you all the best for the new term and I hope to be welcoming you on one of our training events this term.

**Steve Smith**

*Hampshire and Dorset SLP Lead*



# PRIMARY SCIENCE CONFERENCE: PRACTICAL SCIENCE

THURSDAY 9 FEBRUARY | 10am - 3pm

SUBSIDY of  
**£50**  
available\*

Join us for the 2023 Hampshire & Dorset conference for primary science subject leaders. The theme for this year's conference is 'Practical Science'.

Throughout the day there will be opportunities to network, hear from science partners from across the region, and to attend a choice of workshops including:

- Ideas to support preparations for National Science Week
- Simple ideas for practical science
- Science deep dives- Key takeaways from the Ofsted science review regarding practical work
- Supporting KS2-3 science transition with a focus on progression in 'working scientifically'



Face to Face Course

4

For more information, email [c.langley@hispmat.org](mailto:c.langley@hispmat.org)



Please note:

- Full agenda will be announced soon
- Lunch and refreshments will be provided

Location: Tanners Brook Primary School, Southampton, SO15 4PF

Cost: Maintained £95\* | Non-Maintained £190

**BOOK NOW**

\*Teachers at maintained schools can access a **£50 subsidy** which is paid back directly by STEM Learning after attending the conference. Please use the following discount code at the time of booking: **TRP2223**

For full course range visit, [www.thornden.hants.sch.uk/sciencelearningpartnership](http://www.thornden.hants.sch.uk/sciencelearningpartnership)

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## WELCOME TO THE SPRING TERM SCIENCE LEARNING PARTNERSHIP AND STEM LEARNING CPD OFFER WEBINAR

Here at Hampshire & Dorset SLP your local science curriculum hub launch the upcoming Primary CPD offer for the new term.

We hope you can join us for this FREE webinar to hear about how we can support you and your science team.

In addition, hear from many network partners about different opportunities upcoming up in the new term for your school including your local STEM Ambassador Hub to talk about the enrichment courses, upcoming live talks, getting ready for BSW and much more.

TUESDAY 10 JANUARY | 3:45pm - 4:15pm

VIRTUAL

Welcome  
to a  
New Term!

Remote Online Platform: Zoom

Cost: FREE

BOOK NOW

## GETTING READY FOR BRITISH SCIENCE WEEK

Our annual Getting Ready for British Science Week to bring you a session will full of ideas and resources to support your school on getting involved with British Science Week 2023 taking place on 10th to 19th March 2023.

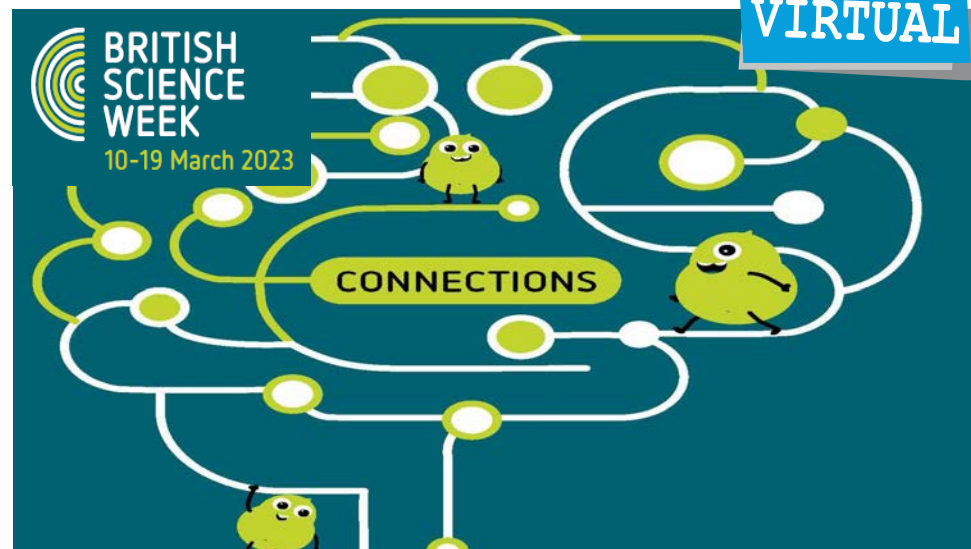
**This year's theme is connections.**

'Connections' as a theme offers a huge range of topics to delve into as part of your British Science Week 2023 activities, which links with multiple areas across science, technology, engineering and maths.

This CPD session will be supported by STEM Ambassador Hub Central South England.

WEDNESDAY 25 JANUARY | 4pm - 5pm

VIRTUAL



Remote Online Platform: Microsoft Teams

Cost: FREE

BOOK NOW





10-19 March  
British  
Science  
Week  
2023



The3Engineers

## 'Stop Dropping Litter' by The3Engineers'

Fri 20th Jan 2023 | 9.15 – 9.45am | Cost: FREE

Virtual Talk – Platform: MS Teams Live | Aim: Primary KS2

Join The3Engineers team to hear about its series of engaging books which raise awareness of environmental issues and inspire the next generation to take small positive action to better the world.

The team of submarine engineers will be giving a live talk around sustainability and engineering and will read from their first book in the series 'The Adventures of Scout' titled, 'STOP DROPPING LITTER!'. The talk will be followed by an interactive Q&A session about its character Scout and her adventures to help better the planet.

TO BOOK YOUR PLACE, VISIT

<https://3engineersstopdroppinglitter.eventbrite.co.uk>





# DEVELOPING YOUR PRIMARY SCIENCE CURRICULUM USING THE OFSTED FRAMEWORK

WEDNESDAY 22 FEBRUARY or MONDAY 27 FEBRUARY | 10am - 3pm

## How to ensure the Ofsted 3Is are embedded into your primary science curriculum.

Let's put the spotlight back on science. The new Ofsted framework provides an opportunity to reinvent your primary science curriculum. Discuss key strategies to ensure that the intent, implementation and impact of your science curriculum is evident throughout school.

**SUBSIDY of**  
**£100**  
**available\***



## Face to Face Course

By attending this session you will:

- Identify and develop a whole school vision for primary science (intent)
- Describe strategies to ensure science is delivered effectively across the school (implementation)
- Begin to develop strategies to evaluate pupils success in science (impact)

<b>WEDNESDAY 22 FEBRUARY</b>	Highcliffe School, Parkside, Highcliffe, Christchurch, BH23 4QD	10am - 3pm	<b>BOOK NOW</b>
<b>MONDAY 27 FEBRUARY</b>	Tanners Brook Primary School, Elmes Drive, Millbrook, Southampton, SO15 4PF	10am - 3pm	<b>BOOK NOW</b>

Cost: Maintained: £185\* | Non-Maintained: £370

\*Teachers at maintained schools can access a **£100 subsidy** which is paid back directly by STEM Learning after attending the course.

Please use the following discount code at the time of booking: **TRP2223**



## SUBJECT KNOWLEDGE ENHANCEMENT FOR UPPER KS2 TEACHERS

This face-to-face full day session is aimed at teachers of upper KS2 who wish to develop their confidence in understanding and teaching various areas of Biology, Chemistry and Physics. Two Professional Development Leads will be available to provide personalised subject knowledge enhancement that suits the needs of the participants, with participants able to specify their requirements prior to attending the session.

### You will be able to:

- Develop confidence in your understanding of specific areas of the curriculum of your choosing.
- Identify various approaches to teaching subject content.
- Identify and rectify and misconceptions that may arise in the classroom.

TUESDAY 21 FEBRUARY | 10am - 3pm



### Face to Face Course

Location: Tanners Brook Primary School, Southampton, SO15 4PF

Cost: Maintained £100\* | Non-Maintained £200

**BOOK NOW**

\*Teachers at maintained schools can access a **£40 subsidy** which is paid back directly by STEM Learning after attending the course.

Please use the following discount code at the time of booking: **TRP2223**

# How to Plan and Run Your Own Space Week



Learn **Live** 

**TUESDAY 24<sup>TH</sup> JANUARY 2023 AT 11AM**

WANT TO GET YOUR SCHOOL INVOLVED?  
REGISTER HERE:

[LEARNLIVEUK.COM/COUNTDOWN-2-LAUNCH](https://www.learnliveuk.com/countdown-2-launch)



**UK SCHOOLS BROADCAST LAUNCH SPECIAL**

Presented by  
**Tim Peake**

**#COUNTDOWN2LAUNCH**



Primary Engineer Programmes  
...the first step®



# IF YOU WERE an ENGINEER What would you do?®

Engineering is a diverse and exciting field open to more young people than is often thought. 'If you were an engineer, what would you do?' is a free annual, national, competition that celebrates every single entry!



## PRIMARY ENGINEER® LEADERS AWARD COMPETITION

One of our national competitions, the Leaders Award, asks the question; "If you were an engineer, what would you do?"

The competition encourages pupils from the ages of 3-19 across the UK to identify problems in the world around them and come up with creative solutions for them, embedding within them through the whole process that creative problem solving is a key part of being an engineer.

This helps kickstart an interest and passion for engineering and through our industry partners we are able to introduce pupils to the real life professionals that lead the industry forward, giving them first-hand experience of what it means to be an engineer.

Every pupil who takes part receives a graded certificate from a real life engineer!

## GET INVOLVED

Register to access the lesson plans, pupil log-books, guides, curriculum mappings and entry submission information. Resources are also available in Welsh. When you register you can access the live online engineer interview schedule to book.

We can accept entries to this year's competition up to 22nd March 2023.

Register here: [www.leadersaward.com](http://www.leadersaward.com)



## ENGINEERS IN THE MAKING



@LEADERSAWARD  
[WWW.LEADERSAWARD.COM](http://WWW.LEADERSAWARD.COM)



STEM  
OPPORTUNITIES IN AVIATION

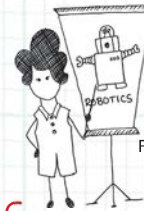


Primary Engineer® Programmes  
...the first step®



# IF YOU WERE an ENGINEER What would you do?®

2.



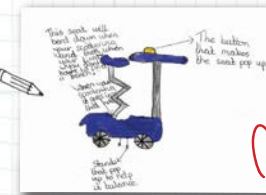
Find an engineer to come to your school to discuss engineering and to be interviewed by pupils or ...

3.



Pupils each identify a problem that affects them, their family, their neighbourhood or the whole world

4.



Pupils illustrate and annotate their design. They must also provide a letter to persuade engineers to build their design.

5.

SEND ENTRIES TO:  
LEADERS AWARD FLOOR 2  
AMS OFFICE TOWER,  
AMS TECHNOLOGY PARK,  
BILLINGTON ROAD,  
BURNLEY  
BB11 5UB

7.



Winners are selected and entries are shortlisted for exhibitions.

PASS  
MERIT  
DISTINCTION

6.



All entries are then marked by engineers and are graded pass, merit or distinction

8.



University partners will select a design to build.

IF YOUR SCHOOL WOULD LIKE TO TAKE PART IN THIS EXTRAORDINARY COMPETITION PLEASE CONTACT:  
[INFO@LEADERSAWARD.COM](mailto:INFO@LEADERSAWARD.COM)  
FOR MORE INFORMATION VISIT [WWW.LEADERSAWARD.COM](http://WWW.LEADERSAWARD.COM)



@LEADERSAWARD  
#IfYouWereAnEngineerWhatWouldYouDo?



# ONLINE SCIENCE CPD SUBSCRIPTION FOR YOUR PRIMARY SCHOOL

## Brought to you by your local Science Curriculum Hubs (SLP's)

We are delighted to be launching a comprehensive package of Primary Science CPD support to primary schools across South East.

The package can be accessed by **your whole school to support your CPD needs focused on Science.**

The package of support is from January 2023 to July 2023 offering great value for money CPD support.

### ONLINE PACKAGE

**RRP: £700+  
CPD PER TEACHER**

- Transition between KS2 and KS3
- Working Scientifically
- Assessment and Progression
- Floor Books
- Early Years course
- Teaching Key Stage 1 Science
- Teaching lower Key Stage 2 Science
- Teaching upper Key Stage 2 Science
- Primary Science Conference (Online) plus many more to be announced a minimum of 10 courses available during the period.

**Cost: £350 (\*Subsidy available of £200)**

**Actual cost: £150** (ex-vat) available to all maintained schools

**PURCHASE ONLINE PACKAGE**

### ENHANCED PACKAGE

**RRP: £1,200+  
CPD PER TEACHER**

Access to all online CPD support mentioned plus:

- Personalised needs analysis for your science needs in your primary school conducted by Science CPD Expert
- 2-hour bespoke primary science CPD
- 25% discount for face-to-face courses delivered by South East SLP's.

**Cost: £500 (\*Subsidy available of £250)**

**Actual cost: £250** (ex-vat) available to all maintained schools

**PURCHASE ENHANCED PACKAGE**



= **Part of the online subscription package**  
(you will see this icon throughout the brochure).

PleaseFor any questions or queries please contact James Bennett via e-mail: [james.bennett@canterbury.ac.uk](mailto:james.bennett@canterbury.ac.uk)



\*Please note subsidy payments will be paid directly to your school from STEM Learning.



## EFFECTIVE TRANSITION BETWEEN YEAR 6 AND 7 IN SCIENCE



This course for Year 6 and Year 7 teachers / leads will focus on how to establish effective transition between year 6 and year 7 in science. You will have the opportunity to consider the nature and content of the year 6 science curriculum, how to develop creative activities that build on prior learning and how to use diagnostic teaching to identify and address gaps in knowledge and skills. You will also evaluate case studies from a variety of sources that showcase effective strategies, techniques and activities to support transition between year 6 and year 7 in science.

### You will be able to:

- Establish links between the year 6 and year 7 science curriculum and consider some of the issues around effective transition.
- Consider creative ways in which diagnostic teaching can lead on to addressing gaps in knowledge and skills.
- Develop strategies and techniques to differentiate lessons and support pupils in building a strong base of scientific knowledge and skills.
- Evaluate case studies of transition between year 6 and 7 in science.

<b>MONDAY 13 MARCH</b>	Establishing links between the year 6 and year 7 science curriculum	4pm - 5pm
<b>TUESDAY 21 MARCH</b>	Diagnostic Teaching	4pm - 5pm
<b>WEDNESDAY 29 MARCH</b>	Establishing good transition between year 6 and year 7 science	4pm - 5pm

**VIRTUAL**

Remote Online Platform: Zoom

Cost: Maintained School £100 | Non-maintained School £150

**BOOK NOW**

## SUBJECT KNOWLEDGE ENHANCEMENT: UPPER KS2 TEACHERS



This online SKE series is aimed at teachers of upper KS2 who wish to develop their confidence in understanding and teaching various areas of Biology, Chemistry and Physics.

### You will be able to:

- Develop confidence in your understanding of specific areas of the Year5/6 curriculum and understand the progression of these concepts into Year 7.
- Identify various approaches to teaching subject content.
- Identify and rectify and misconceptions that may arise in the classroom.

<b>MONDAY 31 JANUARY</b>	Earth and Space/ Forces	4pm - 5pm
<b>TUESDAY 7 FEBRUARY</b>	Light/ Electricity	4pm - 5pm
<b>WEDNESDAY 20 FEBRUARY</b>	Biology: animals including humans/ evolution and Inheritance	4pm - 5pm
<b>WEDNESDAY 1 MARCH</b>	Chemistry: properties and change of materials	4pm - 5pm

**VIRTUAL**

Remote Online Platform: Zoom

Cost: Maintained School £80 | Non-maintained School £120

**BOOK NOW**

# PRIMARY SCIENCE CONFERENCE: DECONSTRUCTED PACKAGE



FROM MONDAY 30 JANUARY TO THURSDAY 9 FEBRUARY | 4pm - 5pm

**VIRTUAL**

This online conference will take place as a series of twilight sessions over the course of two weeks from Monday 30 January to Thursday 9 February.

There will be a range of workshops available to choose from and signing up means you can attend as many as you wish from the selection in the table below:

<b>PRIMARY SCIENCE SURGERY</b>	MONDAY 30 JANUARY	4pm - 5pm
<b>FLOOR BOOKS - USING THESE ACROSS THE SCHOOL</b>	MONDAY 30 JANUARY	4pm - 5pm
<b>HOW TO LEAD SCIENCE?</b>	TUESDAY 31 JANUARY	4pm - 5pm
<b>TEACHING FORCES</b>	WEDNESDAY 1 FEBRUARY	4pm - 5pm
<b>SCIENCE ACROSS THE CURRICULUM (CREATIVE CURRICULUM)</b>	THURSDAY 2 FEBRUARY	4pm - 5pm
<b>INCLUSIVE SCIENCE</b>	MONDAY 6 FEBRUARY	4pm - 5pm
<b>SCIENCE IN EYFS OR CREATIVE APPROACHES TO RECORDING</b>	MONDAY 6 FEBRUARY	4pm - 5pm
<b>OFSTED DEEP DIVES MONITORING SCIENCE ACROSS A SCHOOL</b>	TUESDAY 7 FEBRUARY	4pm - 5pm

<b>FOCUSED RECORDING</b>	WEDNESDAY 8 FEBRUARY	4pm - 5pm
<b>WHAT SHOULD BE IN MY SCIENCE CUPBOARD?</b>	THURSDAY 9 FEBRUARY	4pm - 5pm



Remote Online Platform: Zoom

Cost: Maintained: £95 | Non-Maintained: £190

**BOOK NOW**



# PRIMARY SCIENCE CONFERENCE: DECONSTRUCTED INDIVIDUAL SESSIONS - WEEK ONE

## ALL SESSIONS COST: MAINTAINED SCHOOL £20 | NON-MAINTAINED SCHOOL £35



### PRIMARY SCIENCE SURGERY

MONDAY 30 JANUARY | 4pm - 5pm

**VIRTUAL**

An opportunity to ask questions prior to the session and for these questions to be answered during the session. Please submit your questions to... by...

Remote Online Platform: Zoom

**BOOK NOW**

### FLOOR BOOKS - USING THESE ACROSS THE SCHOOL

MONDAY 30 JANUARY | 4pm - 5pm

**VIRTUAL**

This session will explore how floorbooks can be used to effectively assess pupil progress.

Remote Online Platform: Zoom

**BOOK NOW**

### HOW TO LEAD SCIENCE?

TUESDAY 31 JANUARY | 4pm - 5pm

**VIRTUAL**

What do you need in your locker in order to lead science effectively. We will look at what documents are needed, how to conduct effective monitoring and evaluation and think about how best to support colleagues.

Remote Online Platform: Zoom

**BOOK NOW**

### TEACHING FORCES

WEDNESDAY 1 FEBRUARY | 4pm - 5pm

**VIRTUAL**

An interactive session including some ideas for science investigations, demonstrations and discussion prompts on the topic of forces, based around the evidence-based Thinking, Doing, Talking Science approach from Science Oxford.

Remote Online Platform: Zoom

**BOOK NOW**

### SCIENCE ACROSS THE CURRICULUM

THURSDAY 2 FEBRUARY | 4pm - 5pm

**VIRTUAL**

This session will explore how you can link a range of enquiry types to other curriculum areas. You will explore ways to develop a creative approach to enquiry through child-led investigations and identify opportunities to use scientific activity within other curriculum areas.

Remote Online Platform: Zoom

**BOOK NOW**



# PRIMARY SCIENCE CONFERENCE: DECONSTRUCTED INDIVIDUAL SESSIONS - WEEK TWO

ALL SESSIONS COST: MAINTAINED SCHOOL £20 | NON-MAINTAINED SCHOOL £35



## INCLUSIVE SCIENCE

MONDAY 6 FEBRUARY | 4pm - 5pm

VIRTUAL

We will look at good practice to ensure science is accessible to all. We will think carefully about strategies to help support both teaching and support staff and how to ensure the curriculum is written for all.

Remote Online Platform: Zoom

BOOK NOW

## SCIENCE IN EYFS

MONDAY 6 FEBRUARY | 4pm - 5pm

VIRTUAL

This course will provide a manageable approach to planning and delivering EYFS science. Enter the classroom with the tools and confidence to plan and develop effective learning for children in your class. You will explore ways of bringing the EYFS experience to life through practical ideas and discussion tasks.

Remote Online Platform: Zoom

BOOK NOW

## OFSTED DEEP DIVES

TUESDAY 7 FEBRUARY | 4pm - 5pm

VIRTUAL

Let's put the spotlight back on science. The new Ofsted framework provides an opportunity to reinvent your primary science curriculum. Discuss key strategies to ensure that the intent, implementation and impact of your science curriculum is evident.

Remote Online Platform: Zoom

BOOK NOW

## FOCUSED READING

WEDNESDAY 8 FEBRUARY | 4pm - 5pm

VIRTUAL

An interactive session including opportunities to discuss and try out a range of focused assessment techniques based on the evidence based approach of Thinking, Doing, Talking Science from Science Oxford.

Remote Online Platform: Zoom

BOOK NOW

## WHAT SHOULD BE IN MY SCIENCE CUPBOARD

THURSDAY 9 FEBRUARY | 4pm - 5pm

VIRTUAL

A session exploring simple things to stock in a science cupboard and how to use some items commonly found there.

Remote Online Platform: Zoom

BOOK NOW

## ASSESSMENT IN PRIMARY SCIENCE



This course examines the latest developments in primary science assessment. Teachers and subject leaders will understand the role of both formative and summative assessment in primary science and know how to implement them in their schools. It explores strategies for assessment and develops confidence to make reliable teacher assessment of learning in science and identify children's next steps.

### You will be able to:

- Understand the role of statutory, summative and formative assessment in primary science
- Explore strategies for assessment
- Make confident and reliable teacher assessment of learning in science and identify children's next steps

<b>THURSDAY 23 FEBRUARY</b>	Making the most of moderation	4pm - 5pm
<b>THURSDAY 2 MARCH</b>	Setting the scene of primary science assessment	4pm - 5pm
<b>THURSDAY 9 MARCH</b>	Assessment in the classroom	4pm - 5pm

**VIRTUAL**

Remote Online Platform: Zoom

Cost: Maintained School £60 | Non-maintained School £100

**BOOK NOW**

## TEACHING EYFS SCIENCE



This course will provide a manageable approach to planning and delivering EYFS science. Enter the classroom with the tools and confidence to plan and develop effective learning for children in your class. You will explore ways of bringing the EYFS experience to life through practical ideas and discussion tasks.

### You will be able to:

- Demonstrate good Early Years practice and exploit opportunities for science
- Know where your children are and plan for their next steps
- Develop the science capital of children in your class by exploiting opportunities in the wider community and working with families.

<b>TUESDAY 7 MARCH</b>	Introduction to EYFS and EYFS assessment	4pm - 5pm
<b>TUESDAY 14 MARCH</b>	Science in a story	4pm - 5pm
<b>TUESDAY 21 MARCH</b>	Developing young scientists	4pm - 5pm
<b>TUESDAY 28 MARCH</b>	Q&As, wrap up and next steps	4pm - 5pm



Remote Online Platform: Zoom

Cost: Maintained School £140 | Non-maintained School £210

**BOOK NOW**



# PRIMARY

## Getting started guide

Find out how you can use CREST Star and SuperStar to give primary children their first experience of pupil-led problem-solving challenges set in a real-world context.

Typical age: 5-11



# Helping you teach computing



*High-quality CPD and support for primary and secondary teachers*

The National Centre of Computing Education (NCCCE) is funded by the Department for Education



## Your local computing hubs

The South East is well served by four NCCE computing hubs, at **Bohunt School**, **Dartford Grammar School**, **Maidstone Grammar School for Girls** and **Newstead Wood School**.

Working with schools and colleges across the South East, the hubs offer an exciting programme of professional development and subject support across primary and secondary key stages 1 to 5.

Contact your local hub to find out how our expert team can support your school or trust.



**Dartford & East Sussex**

teachcomputing@dartfordgrammarschool.org.uk  
@NCCESouthEast



**London, Surrey & West Sussex**

teachcomputing@newsteadwood.co.uk  
@teachcomp\_se



**Maidstone & Kent**

teachcomputing@mggs.org  
@CompHubKent



**West Sussex & Hampshire**

teachcomputing@bohunt.hants.sch.uk  
@BohuntNCCCEHub



### High-quality CPD

Teachers gain nationally recognised certificates with subsidies available to enable participation



### Curriculum resources

The Teach Computing curriculum has everything you need to teach computing at key stages 1 to 4.



### Physical computing kits

Teach Crumble, Micro:bit or Raspberry Pi in your classroom with one of our loan computing kits.



### Free needs analysis

Meet with one of our subject matter experts and create an action plan for your school.



Great  
Science  
Share  
for SCHOOLS

# NEW THEME for 2023

## SCIENCE AROUND US

What are your pupils  
curious about?

#GSSfS2023



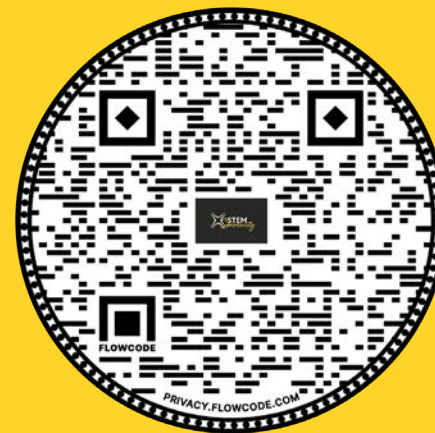
#GSSfS2023

## SCIENCE AROUND US

Do they have questions about  
the **materials** we use and how we  
can be more sustainable?



Hands up if you want to join a supportive  
network of thousands of teachers and  
technicians...



[community.stem.org.uk](https://community.stem.org.uk)



#STEMcommunity



# STEM CLUBS ENRICHMENT RESOURCES

**STEM Clubs** are out-of-timetable sessions that enrich and broaden the curriculum, giving young people the chance to explore subjects like science, technology, engineering and maths in less formal settings.

**Clubs** are an important outlet to ignite new interest and to raise attainment in STEM subjects through more imaginative and inventive teaching methods.

## STEM CLUBS HANDBOOK – A PRACTICAL GUIDE

This handy guide has been produced with a view to helping others deal with the practicalities of starting up a STEM Club. The guide includes advice on the following:

- Decide on why you want to set up a STEM club
- Approach people who might be interested in getting involved
- Timing
- Decide on who your club members will be
- Develop some ideas for activities
- Decide on your location
- Sustain your club
- Add value
- Evaluate



A practical guide to running a club for young people involving science, technology, engineering and mathematics (STEM)

**ACCESS THE RESOURCE**



## 50+ STEM ACTIVITIES FOR ANY PRIMARY CLASSROOM



A selection of activities that can be done in any classroom, with very little equipment. These can be run outside of normal curriculum time, or as part of a science, mathematics, or D&T lesson



# STEM AMBASSADORS

## SUPPORTING STEM ACTIVITIES IN YOUR SCHOOL

STEM Ambassadors use their enthusiasm and commitment to encourage young people to engage with, and enjoy, STEM subjects.

They open the doors to a world of opportunities and possibilities which come from pursuing STEM subjects and careers.

### CLASS ROOM



Practical  
activities  
(30-60mins)

### STEM CLUBS



Ambassadors  
acts as judges  
(30mins)

### CAREER TALKS



10 minute  
input with  
questions

### DRAGONS DEN



Ambassadors  
acts as judges  
or consultants  
(60mins)

### ASSEMBLY TALKS



20 mins



Log in or register an  
account:  
[www.stem.org.uk/  
dashboard](http://www.stem.org.uk/dashboard)



Give an exact date and  
time when you want  
the STEM Ambassador  
to arrive



Give a specific year  
group

Be as clear as possible with  
what you want the STEM  
Ambassador visit to achieve.

- What do you want the  
Ambassador to do?

- Will they need to bring  
things?

- What will they need to  
know about the class?

- What are your intended  
outcomes?



Prepare any necessary  
risk assessment for the  
activity taking place



Please ensure there are  
parking arrangements  
in place



Ensure that  
communication with  
the STEM Ambassador  
is maintained through  
the website



**Take them to a world  
beyond the classroom**

STEM Ambassadors are here to help you bring STEM subjects to life  
Invite a STEM Ambassador into your lesson **today**



**Request  
a STEM  
Ambassador  
on the go**

With the STEM Teacher app >



# BESPOKE TRAINING

Schools can always ask for a bespoke training session, tailored specifically to their school's needs. This could take the form of:

- A staff meeting, e.g. raising the profile of science, sharing ideas on science capital (what it is and how to improve learners' science capital), or a working scientifically reminder session
- A network event for a group of schools
- An in-house INSET day

Please contact us to discuss your requirements and we will arrange to meet you and customise your training.

We can also work with a subject leader on their action plan, or provide 1:1 support in school on resources, monitoring or conducting pupil voice activities.

*"Great Signposting to other ideas and resources, opportunities to network and discuss ideas with others."*

Teacher

*"Science made accessible and simple to understand"*

Teacher

*"Super Practical activities, fantastic training, and thank you."*

Teacher

*"Loved the conference - pitched perfectly!"*

Teacher



<https://www.thornden.hants.sch.uk/sciencelearningpartnership>

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