

STEM POINT

Primary STEM Workshops  
from as low as £4.67 per  
pupil for a full day of 90  
children

# Primary STEM Workshops 2025-2026



# 2025-2026

# Updates...



## Welcome to our 2025–26 Primary School STEM Workshop booklet!

STEMPOINT has been delivering workshops to primary schools in Hertfordshire and surrounding areas for more than 40 years and we're proud to bring inspiring STEM enrichment activities to your pupils.

**Don't forget to check out our resourceful website for all things STEM!**

**<https://www.stempoint.org.uk/primary>**

The cost of our primary workshops have stayed the same since 2021 and the charity has been able to absorb the increasing costs of resources and staffing. Next academic year we will need to increase the price of all workshops to £290 for a half day and £420 for a full day. These prices are still lower than the actual cost of delivering them to you and STEMPOINT remain committed to offering our workshops on a not-for-profit basis.

We understand that schools have extremely tight budgets, so we want to offer you the chance to secure your workshops for next year at this years prices!

**To benefit from the subsidised rate of £265 for a half day and £390 for a full day, please book your workshops for 2025–2026 before 31<sup>st</sup> July 2025.**

We look forward to visiting your school next year to inspire your pupils with our fun and engaging hands-on STEM workshops, which are all linked to the National Curriculum and will enhance their learning!

**CLICK HERE!**



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)

Or if you want to speak to a member of the team, please email Helen Bailey: [h.bailey@stempoint.org.uk](mailto:h.bailey@stempoint.org.uk)

JOIN OUR  
MAILING  
LIST NOW!

*And don't forget to join our emailing list to get everything sent directly to your inbox!*

[https://share-eu1.hsforms.com/1iJNs5VeTSXSwU3IWid8\\_xw2dbud8](https://share-eu1.hsforms.com/1iJNs5VeTSXSwU3IWid8_xw2dbud8)

# Useful Information

## **Please book early...**

Demand for workshops can be high, especially during British Science Week in March, so we recommend that you book early to avoid disappointment. *However it is always worthwhile giving us a call to check availability.*

## **Workshop leaders:**

All STEMPOINT workshop leaders and helpers have been through identity checks and hold a current Enhanced DBS Certificate.

## **Adult helpers:**

All workshops need the class teacher to be present and the support of additional helpers which the school must provide. The number varies depending on workshop (this information is included in this booklet). Why not consider using [STEM Ambassadors](#) if parents aren't able to get involved?

## **Whole days and morning only sessions:**

If you have a small group/school, we offer morning sessions for all of our workshops. This comprises of either one or two sessions of the same workshop depending on which one is being delivered and pupil numbers.

Most upper KS2 workshops have two sessions per day, one in the morning and one in the afternoon.

In some cases we can offer two different workshops morning and afternoon to suit smaller schools, so please contact us directly to arrange this.

Please note we have a new direct line to our primary workshop coordinator 01438 419451



# Useful Information

## including Cancellation Policy



### Safeguarding Policy

This can be requested at any time via [admin@stempoint.org.uk](mailto:admin@stempoint.org.uk)

### Bad Weather

We reserve the right to postpone workshops due to extreme weather conditions.

### Cancellation policy for all workshops:

We understand that things crop up in schools which may be out of your control, so please get in touch asap if you need to reschedule. However we deliver over 200 workshops a year so it may not always be possible.

### Rescheduling and Cancellation charges:

- If you reschedule the workshop for another date there will be no cancellation charge as long as we have at least 2 weeks' notice.
- An administration charge of £50 will be made if you reschedule within 1 week.
- If a workshop is cancelled more than 8 weeks in advance, no charge will be made.
- If cancelled less than 8 weeks in advance, an admin charge of £50 will be incurred.
- If cancelled less than 1 week in advance, an admin charge of £150 will be incurred.

***Schools will be invoiced after the workshop unless otherwise requested.***



### National Curriculum:

The updated National Curriculum links are available on each workshop page in this booklet.

***Please note:*** our workshops may not cover all of the links in great depth as we are restricted by time. But if there is something specific you want to include contact us prior to the workshop and we may be able to accommodate your request.

**Don't forget....all our workshops provide an opportunity for you to gather photos as evidence for your pupils' records.**



# Workshops

Key: Colour Coded STEM Areas  
and page numbers

Science

Computing

D&T

Maths

p6 Bubbles

p14 Miss Smart  
& the Diamond  
Thief

p16 Band  
Rollers

p21 Motivating  
Maths

p7 Me & My  
Senses

p15 Smart Toy  
Engineers

p17 Balloon  
Buggies

p22 Prepare  
for SATS

p8 Light & Dark

p18 Catapult Challenge

p9 Materials Yr1

p19 Moving Toys

p10 Materials Yr2

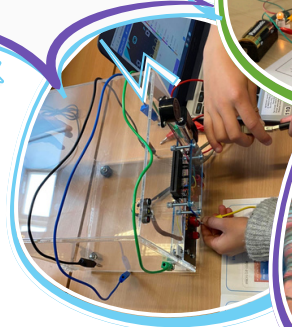
p20 Plastazote

p11 Circus

p12 Exploring Materials

p13 Super Power

Costs from as low as  
£4.67 per pupil for a full  
day of 90 pupils



**Please note:** Costs per pupil vary from morning only to full day!

# Bubbles

p6

## Exploration and Investigations

Only £4.67  
per pupil for a  
full day of 90 pupils

Foundation Stage and Key Stage 1 children explore bubbles in an exciting and interactive way.

Most children have blown bubbles at this age and this workshop encourages the children to discuss what bubbles are made of, where bubbles are found, including making bubbles using household items to:-

- investigate the best way of blowing bubbles
- observe bubbles for colours and shapes
- experiment using everyday items to blow bubbles
- predict and test what happens with different shaped bubble blowers
- create bubble pictures

**This workshop needs to take place in the school hall.**

### Science/Investigation/Forces



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)

### **National Curriculum links**

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:

[Bubbles National Curriculum Links](#)

Science

Maths

**Years  
N to  
Yr2**

**Cost: A whole day:** 3 x 1 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 2 x 1 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop

# Me and My Senses

p7

## Explore Senses through Practical Investigations



This workshop has been running with great success in Hertfordshire schools for a number of years and is an ideal interactive workshop to do alongside classroom work on 'Ourselves'.

Children move through a series of activities with an adult, using a 'record card' for their observations and measurements such as hair colour, hand span, fingerprints etc. Other activities encourage them to test their senses and investigate their bodies' capabilities.

Teachers have said that this is the perfect consolidation or preparation for the 'Animals including Humans' science units and a wonderful opportunity for all children to take part in investigative science.

Parent helpers enjoy actively participating in their children's learning and finding out more about the science curriculum in KS1.

**This workshop needs to take place in the school hall.**

**Science/Investigation/Forces**



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)

### National Curriculum links

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:  
[Me & My Senses National Curriculum Links](#)

Science

Years  
R to  
Yr2

**Cost: A whole day:** 2 x 2 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 1 x 2 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

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# Light & Dark

## Investigate Light Sources

p8

Only £4.67  
per pupil for a  
full day of 90 pupils

Light cannot be tasted, heard, felt or smelt – but it can be seen, and children can have a lot of fun finding out about it.

This workshop gives Reception, KS1 and lower KS2 children the opportunity to explore light in an exciting and active way, building upon ideas taken from Light and Dark in the curriculum.

### This workshop has two parts:

**Part 1**– Using a variety of light sources, a ‘blackout tent’ and different objects, children develop the understanding that light is needed in order to see and that darkness is the absence of light. Using mirrors and periscopes they investigate how light travels. We bring a selection of toys that use light and shadow screens which children can use to explore shadows for KS2.

**Part 2** – Each child makes a small kaleidoscope to take home. They also have an opportunity to go in a black-out tent to see how light is used to stimulate their senses.

**This workshop needs to take place in the school hall.**

### Science/Technology.



To book a workshop go to:

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)

### National Curriculum links

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:  
Light & Dark National Curriculum Links

Science

D&T

Maths

Years  
R to  
Yr 3

**Cost: A whole day:** 3 x 1 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 2 x 1 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop

# Materials Yr1

p9

## What are things made of?



This popular workshop in schools allows pupils to ask questions such as – What are things made of? Why do we use a particular material for something? What properties does that material have to make it good for purpose?

In small groups, children carry out hands-on, exciting activities to help them meet the 'Everyday Materials' element of the Year 1 programme of study.

Activities include sorting a large set of everyday items, vocabulary developing games and workshop leader led discussion. For the final activity, we use a well-loved traditional tale to engage the class's problem-solving abilities in carrying out a practical experiment.

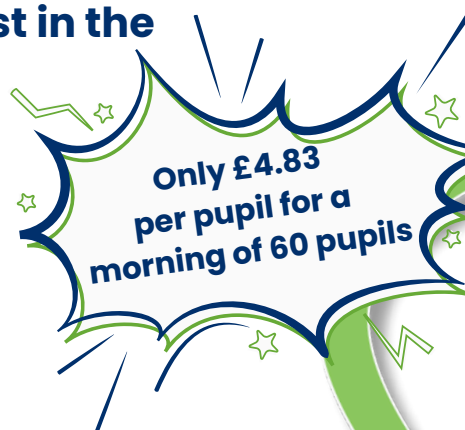
**This workshop works best in the classroom.**

**Science/Investigation**



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)



### **National Curriculum links**

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:  
**Materials Yr1 National Curriculum Links**

**Science**

**Year  
1**

**Cost: A whole day:** 3 x 1 ½ hours approx. sessions/workshops at £420 per day

**Morning only:** 2 x 1 ½ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop

# Materials Yr2

p10

## What are things made from and why?

*What are things made from? Why is one material better for a job than another material? How do we decide which material to use?*

In pairs, children carry out practical activities designed to support the 'Uses of Everyday Materials' element of the Year 2 programme of study.

### Activities include:

- an odd one out challenge
- testing a range of everyday objects for particular properties
- exploring how waterproof different materials are
- using their knowledge to apply a waterproofing layer and testing it

**This workshop works best in the classroom.**

### Science/Investigation



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)

### National Curriculum links

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:  
Materials Yr2  
National Curriculum  
Links

Science

Year  
2

**Cost: A whole day:** 3 x 1 ½ hours approx. sessions/workshops at £420 per day

**Morning only:** 2 x 1 ½ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop





## Five fun forces activities



Your pupils will learn how to balance clowns on a piece of string; see how far their foam rockets go; experiment with magnetism; make spinning tops and see what patterns are made and bounce marbles using different sized tubs!

Circus consists of five practical hands-on activities loosely related to the circus, which all your children can enjoy. The children rotate through each activity in groups, investigating a different type of force. For lower KS2, the activities are extended.

The aim is for your children to have lots of fun and enjoyment while:

- investigating
- making
- experimenting
- comparing

**This workshop needs to take place in the school hall.**

### Science/Forces



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)



### **National Curriculum links**

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:  
Circus National Curriculum Links



**Years  
1 to 4**

**Cost: A whole day:** 3 x 1 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 2 x 1 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop

# Exploring Materials

p12

## Five fun forces activities

Each child will have the opportunity to carry out four different National Curriculum linked practical activities, including classifying, changing and separating materials.

Children work through the activities in small groups to create a lava lamp effect; produce gas to blow up balloons; split black ink into all the colours of the rainbow and find out which material is the hardest!

This workshop will help you to deliver some of the curriculum on 'Materials'. STEMPOINT will help to raise children's awareness of how scientists work. It builds home school links - all children can take home instructions on how to carry out the experiments. Children, staff and parent-helpers alike love this fun and exciting workshop.

**This workshop needs to take place in the school hall.**

**Science/Investigations**



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqgEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqgEKvfQSG9sQWoA_LxJA2dbud8)



**Only £4.67  
per pupil for a  
full day of 90 pupils**

### **National Curriculum links**

Full Curriculum Links  
plus Non-Statutory  
Opportunities available at:  
[Exploring Materials](#)  
[National Curriculum](#)  
[Links](#)

**Science**

**Years  
3 to 6**

**Cost: A whole day:** 3 x 1 ½ hours approx. sessions/workshops at £420 per day

**Morning only:** 2 x 1 ½ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

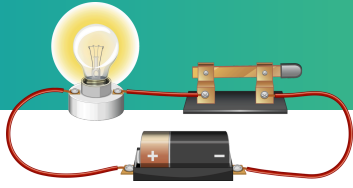
**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop



# Super Power

p13

## Electrical Circuits and Solar Energy



Your pupils will learn how electricity is made and the different methods of generation, both renewable and non-renewable.

Children learn how a simple electrical circuit is made by getting hands-on with the equipment provided and about standardised electrical symbols. They also investigate the properties of different materials to see if they are electrical conductors or insulators. They then have the chance to become part of a human electrical circuit!

Children investigate using solar cells, rather than batteries, to provide the power for a circuit to spin a propellor. This is done outside, or on very dull days, inside, using our powerful lamps provided.

**The workshop is best done in the hall but can be adapted for a large classroom.**

### Science/D&T



**To book a workshop go to:**

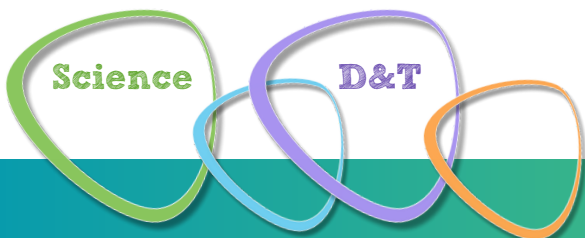
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only £7.00  
per pupil for a  
full day of 60 pupils

### **National Curriculum links**

Full Curriculum Links  
at:  
Super Power  
National Curriculum  
Links



Science

D&T

**Years  
4 to 6**

**Cost: A whole day:** 2 x 2 ½ hours approx. sessions/workshops at £420 per day

**Morning only:** 1 x 2 ½ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop



# Miss Smart & the Diamond Thief

## Coding with the BBC micro:bit

p14

*Miss Smart owns a very large diamond which she keeps in a safe with a programmable alarm, sensors and lights. She has heard that a gang of thieves are planning to steal the diamond and she must write some computer programs to stop them.*

Working in pairs your pupils take on the role of programmers, learning how to write code to stop the thieves from stealing the diamond. After some initial exercises pupils are encouraged to use their imagination to develop their own solutions to stop the intruders.

### The aim is to:

Provide a stimulating and practical activity, suitable for all abilities, which compliments learning in school

- Learn to program the BBC micro:bit computer using block code
- Introduce flow diagrams, sequencing and binary concepts
- Develop logical thinking, analytical and problem solving skills
- Improve team working and communication skills
- Provide an opportunity to use their imagination and creativity

### This workshop works best in a classroom.

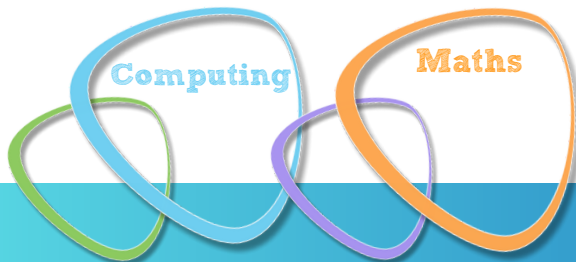
*The IT suite is not needed as we bring all the necessary equipment and resources.*

### Computing/Maths/Problem-solving



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUgaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUgaEKvfQSG9sQWoA_LxJA2dbud8)



### National Curriculum links

Full Curriculum Links at:

[Coding with the BBC micro:bit Curriculum Links](#)

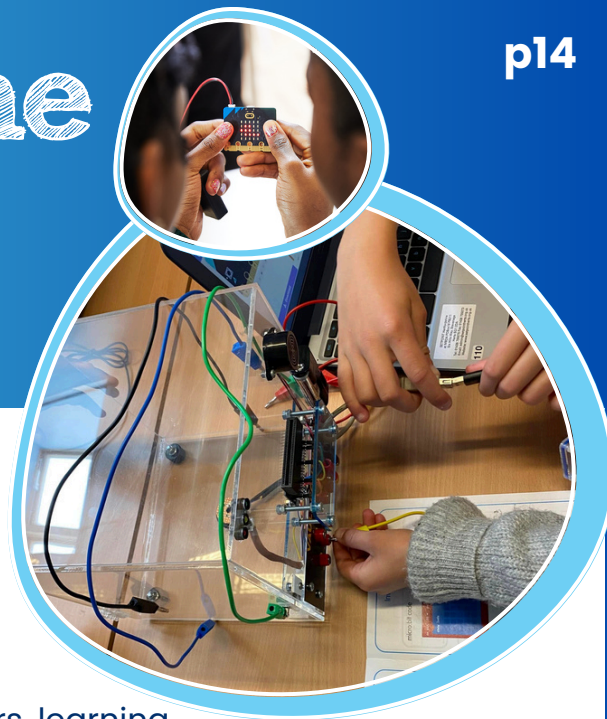
**Years  
5 & 6**

**Cost: A whole day:** 2 x 2 ½ hours approx. sessions/workshops at £420 per day

**Morning only:** 1 x 2 ½ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 32 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop



# Smart Toy Engineers

p15

## Bit:Bot Robots

Only £7.00  
per pupil for a  
full day of 60 pupils

The Smart Toy Company has built several prototypes for a new range of programmable wheeled toys. The design team have called the prototypes Bit:Bot and they want to find out how well the prototypes work.

Working in pairs your pupils act as test engineers first learning how to program Bit:Bot, then finding out how Bit:Bot behaves by carrying out a series of experiments and finally using the data collected to program Bit:Bot to successfully navigate a test track.



### The aim is to:

- provide a stimulating and practical activity suitable for all abilities, which compliments learning in school
- learn how to program the BBC micro:bit computer using block code
- carry out experiments by making accurate measurements, recording results, drawing and interpreting graphs
- develop numeracy, logical thinking, analytical and problem solving skills
- improve team working and communication skills
- provide more experienced programmers the opportunity to use imagination and creativity

### This workshop is best in the hall.

The IT suite not needed as we bring all resources.

### Computing/Maths/Problem-solving



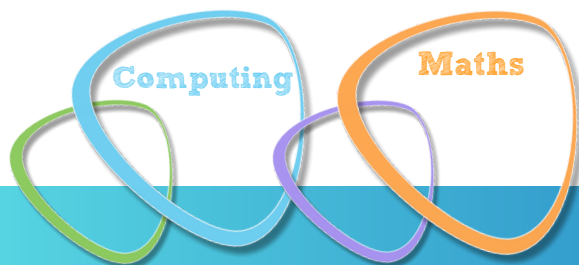
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### National Curriculum links

Full Curriculum Links at:

[Smart Toy Engineers National Curriculum Links](#)



Years  
5 & 6

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All materials and equipment provided. Maximum class numbers per session = 32 pupils

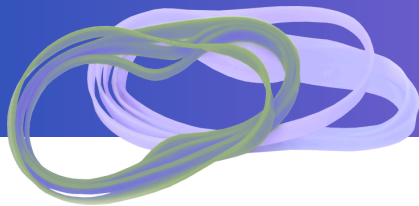
**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop



# Band Rollers

p16

## Using and understanding energy



During this workshop, pupils have the opportunity to investigate the energy required to drive a simple toy and use a range of tools to construct it.

The aims are to provide Years 3 –6 pupils with an enjoyable, stimulating workshop; to investigate the potential energy that can be stored in an elastic band, its release and use to drive/power a toy.

They are taken step-by-step through the stages in making the band roller, being encouraged to measure, mark out, cut using a junior hacksaw, assemble, join and combine components accurately. They will also learn how to use the tools safely and properly and test the band roller (which they keep) and then race others.

Finally, they will reflect on the design, identifying ways it could be improved.

**This workshop is best done in the hall but can be adapted for a large classroom.**

**D&T/Practical Skills/Science**



### National Curriculum links

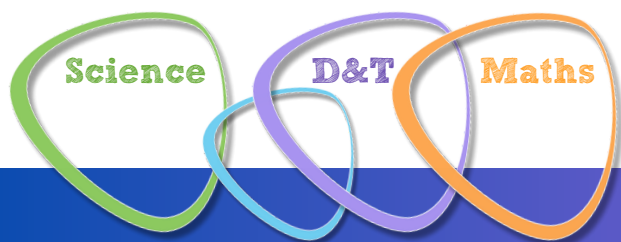
Full Curriculum Links at:

[Band Rollers National Curriculum Links](#)



**To book a workshop go to:**

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**Years  
3 to 6**

**Cost: A whole day:** 2 x 2 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 1 x 2 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop



# Balloon Buggies

p17

## Learn forces and motion through D&T

Balloon Buggies is a fun, practical workshop in which the pupils have the opportunity to investigate factors affecting the movement of a balloon-powered buggy. Initial investigations are with Lego, then the children make their own buggy with wood and plastic and test it.

### The aim is to:

- investigate the design possibilities of a balloon powered buggy using Lego
- develop their ideas and explain them clearly, planning their own buggy within certain boundaries
- provide Year 5 and 6 pupils with an enjoyable and stimulating workshop

Pupils are encouraged to measure accurately and use tools properly to measure, mark out, cut using a junior hacksaw, assemble, join and combine components accurately. They will also learn how to use the tools safely and properly, to test the buggy (which they keep) and then race others. And finally they reflect on the design, identifying ways it could be improved.

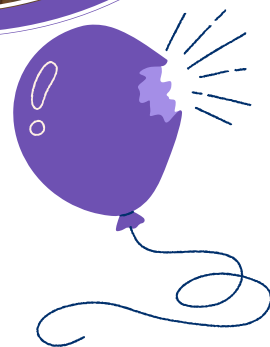
**This workshop works best in the hall.**

### D&T/Practical Skills/Science/Maths



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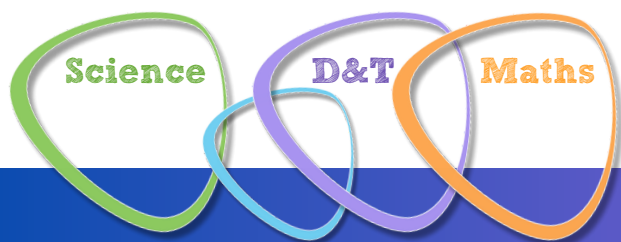
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**Only £7.00  
per pupil for a  
full day of 60 pupils**

### **National Curriculum links**

Full Curriculum Links plus  
Non-Statutory  
Opportunities available at:  
Balloon Buggies  
National Curriculum  
Links



**Years  
5 & 6**

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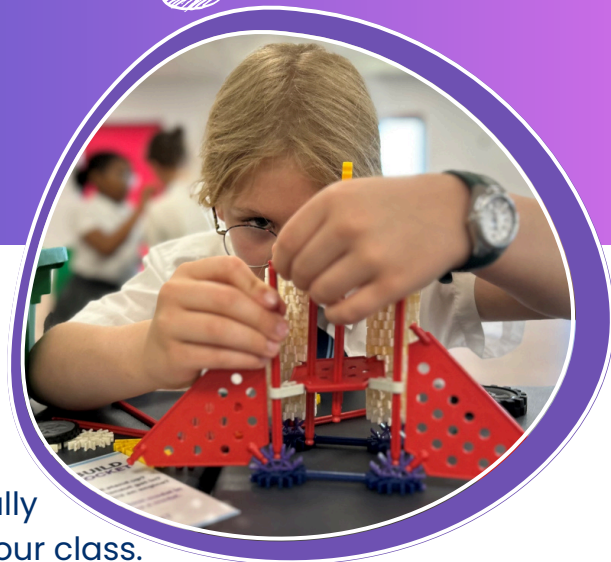
# Catapult Challenge

p18

## Engineering with K'Nex



This practical problem-solving workshop is technology-based and has been used in the past by schools to fit in with a topic on the Romans but works equally well as a stand-alone exciting engineering challenge for your class.



During the workshop, children will be guided through the main parts of catapult construction, each making a small catapult which they can keep. They will then work in pairs to use construction kits, provided by us, to tackle a challenge set by the workshop leader.

There is a competitive element to the challenge with certificates awarded in specific categories. Every child is encouraged to review their own successes during the workshop and is awarded a personalised certificate of achievement.

**This workshop can take place in the classroom.**

**D&T/Practical Skills/Science**



### National Curriculum links

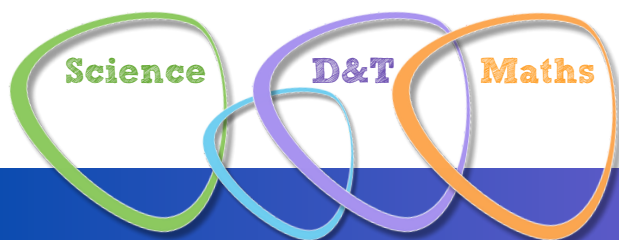
Full Curriculum Links at:

[Catapult Challenge National Curriculum Links](#)



**To book a workshop go to:**

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)



**Years  
4 to 6**

**Cost: A whole day:** 2 x 2 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 1 x 2 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop

# Moving Toys

p19

## CAM mechanisms

A practical Design & Technology activity in which the pupils learn about controlling movement with a cam mechanism as a simple toy.

Pupils investigate a collection of moving toys containing cam mechanisms that produce different movements. The children then construct their own moving toy/cam mechanism using various materials, which they keep. Our aim is to provide Year 5 & 6 pupils with an enjoyable and stimulating workshop.

### Children will:

- learn about different types of cam mechanisms and the movements they produce
- understand the characteristics of each component part and its use
- measure, mark out, cut, join, assemble and combine components accurately
- learn how to use tools safely and accurately.

Children will then be encouraged to test the finished mechanism and to reflect on what they have made.

**This workshop works best in the hall but can be adapted for a large classroom.**

### D&T/Practical Skills/Science/Maths



To book a workshop go to:

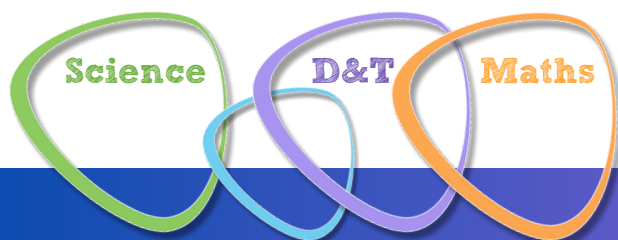
[https://share-eu1.hsforms.com/1HUqgEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqgEKvfQSG9sQWoA_LxJA2dbud8)



Only £7.00  
per pupil for a  
full day of 60 pupils

### National Curriculum links

Full Curriculum Links plus  
Non-Statutory  
Opportunities available at:  
[Moving Toys National Curriculum Links](#)



Years  
5 & 6

**Cost: A whole day:** 2 x 2 ¼ hours approx. sessions/workshops at £420 per day

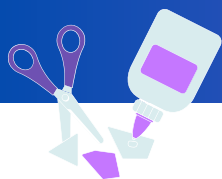
**Morning only:** 1 x 2 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop



## A SMART material workshop



During this workshop each pupil designs and makes a Plastazote model/mask of their own to take home. The models made are usually pre-arranged to tie into your own teaching plans.

Plastazote is a SMART material with properties that can be significantly changed in a controlled way by external stimuli, in this case, temperature. It is safe, non-toxic polyethylene foam. It can be cut with scissors, marked with pencil or biro & joined. Its real impact is when it is MOULDED into fantastic shapes through the use of heat.



### Science:

- Investigate the characteristics of the material and relate these to a variety of commercial uses

### Design & Technology:

- Use your imagination to create amazing 3D masks and mini-beasts **or** link it to other topics or projects you are working on.



**This workshop works best in the hall.**

## D&T/Practical Skills/Science



To book a workshop go to:

[https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)



### National Curriculum links

Full Curriculum Links at:  
[Plastazote National Curriculum Links](#)

**Years  
3 to 6**

**Cost: A whole day:** 2 x 2 ¼ hours approx. sessions/workshops at £420 per day

**Morning only:** 1 x 2 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

**Helpers:** You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop

# Motivating Maths:

p21

Led by Karen Gordon - Maths Advisor

This workshop is an excellent opportunity for pupils in Years 5 and 6 who are currently working below expectations for their age and need a boost.

The day includes problem solving and confidence building activities to encourage the children to have fun with maths, at the same time motivating them to achieve their potential.



## This is also a fantastic CPD opportunity for teachers

You may nominate a minimum of 4 pupils for this workshop. All children and accompanying adults are expected to bring along a packed lunch for the day and all children to wear their school uniform.

Schools will usually have two optional dates and host schools to choose from.

Look out for flyers going into your school admin, or alternatively join our emailing list: [HERE](#)

Alternatively you can book this workshop for 2 classes (60 pupils) for your own school.

For more information about these fantastic inspirational workshops, please contact: [h.bailey@stempoint.org.uk](mailto:h.bailey@stempoint.org.uk)

**Please note** - If you are interested in hosting one of these workshops, you will receive 6 pupil places free of charge! This workshop can only go ahead with a minimum of 60 pupils.

**Special Offer!**  
£19 per pupil for a  
full day of Inspirational  
Maths

**Years  
5 & 6**



**Cost: £19 per pupil (no cost for the accompanying teacher) Pupil(s) MUST be accompanied by a teacher, governor or TA from the school (not a parent).**

To book a workshop go to: [https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)

# Help & Prepare for SATS Maths Workshop

p22

Led by Karen Gordon - Maths Advisor

These fantastic 'Help and Prepare for SATS' Maths Workshops take place in the few weeks leading up to the Year 6 SATS and are very popular.

**Includes resources for teachers to take away with them!**

Our 'Help & Prepare for SATS' series is aimed at those *Achieving ARE* (Age-Related Expectations) and have been written for pupils in Year 6 who are preparing for their upcoming SATS.

*Achieving ARE* workshops help pupils get to grips with mathematics and problem-solving in a fun way and emphasise where maths is used in careers.

You may nominate a minimum of 4 pupils for this workshop. All children and accompanying adults are expected to bring along a packed lunch for the day and all children to wear their school uniform.

Alternatively you can book this workshop for 2 classes (60 pupils) for your own school.

For more information about these inspirational workshops, or if you would like to run this workshop for all Year 6 pupils, please contact: [h.bailey@stempoint.org.uk](mailto:h.bailey@stempoint.org.uk)

Look out for flyers going to your school admin email, or alternatively join our emailing list: [HERE](#)

**Please note** - If you are interested in hosting one of these workshops, you will receive 6 pupil places free of charge! This workshop can only go ahead with a minimum of 60 pupils.



**Cost: £19 per pupil (no cost for the accompanying teacher) Pupil(s) MUST be accompanied by a teacher, governor or TA from the school (not a parent).**

To book a workshop go to: [https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA\\_LxJA2dbud8](https://share-eu1.hsforms.com/1HUqaEKvfQSG9sQWoA_LxJA2dbud8)



# Enrichment Ideas, STEM Ambassadors & CREST Awards

p23

**STEM Ambassadors are individuals who work or study in STEM and are passionate about sharing their expertise and enthusiasm for STEM with young people.**

STEM Ambassadors are volunteers and can provide support for teachers in curricular and extra-curricular work. They encourage pupils to further explore the amazing world of science, technology, engineering and mathematics to inspire them about the sector.

They work with both teachers and pupils in a variety of ways such as helping with our primary workshops, running technology challenges, giving talks or answering questions by email and are also a valuable resource for science or technology clubs.

## **A Free Resource for Schools!**

Teachers can request STEM Ambassador support via the STEM Learning platform which is free to sign up to:

<https://www.stem.org.uk/stem-ambassadors/schools-and-colleges>

Go To: <https://www.stem.org.uk/primary>

[Click here to access STEM Learning resources](#)



**The CREST Awards scheme is run by the British Science Association and provides science enrichment activities to inspire and engage 3-19 year olds.**

CREST gives pupils the chance to participate in hands-on science investigations, which encourages them to solve real-life challenges by practical investigation and discussion.

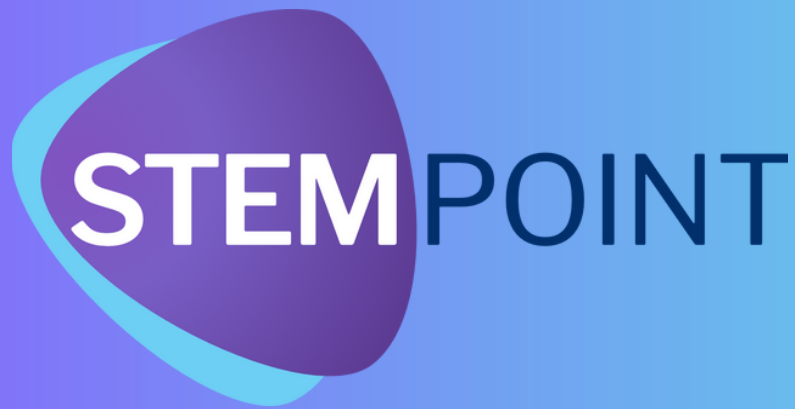
**Star and SuperStar levels** are for primary age children aged 3-7 and 7-11 years. Children gain their Award by completing between 6 and 8 different activities at school.

**CREST Discovery Awards** are designed for Year 5 & 6 pupils and can be achieved in one day.

Go to: <https://library.crestawards.org/>



[Click here to visit the CREST Resource Library and find out more!](#)



**STEMPOINT is an educational charity whose aim is to inspire children and young people about the amazing world of STEM.**

We have over 40 years' experience of delivering high-quality STEM workshops and activities to both primary and secondary schools, and provide insight and greater awareness of how STEM subjects can lead to fascinating and worthwhile careers.

We are grateful to all our sponsors and donors who enable us to deliver our work to schools at 'not-for-profit cost' or free of charge.



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