Nationally coordinated by STEMNET

For advice on STEM Clubs, including how to set one up, interesting activities to run, competitions and funding opportunities, please contact South East of England STEM Club support on 01273 644178 or Stemclubs@brighton.ac.uk

For all your other STEM-related needs, including involving a STEM Ambassador in your Club, or getting information, advice and guidance on science, technology, engineering or maths, please contact your local STEMNET contract holder – details at the bottom of this page.

Top 10 Maths Activities for use in STEM Clubs

A Scale for the Solar System
http://nrich.maths.org/5634/clue
Suitable for: Key Stage 4
Challenge: To find the ratios between Earth, Venus, and the Sun.

Around the World
http://faraday.theiet.org/resources/overview/around-world.cfm
Suitable for: Key Stage 3
Challenge: Use the speed equation to calculate how long it takes to travel to destinations around the globe.

Attracting the Customer
http://www.nationalstemcentre.org.uk/elibrary/resource/1061/attracting-the-customer
Suitable for: Key Stage 3-4
Challenge: Explore how retailers and product manufacturers persuade customers to buy more of their product.

Attractive Rotations
http://nrich.maths.org/6987
Suitable for: Key Stage 3
Challenge: To create attractive patterns using rotations.

Dance is Electric
http://faraday.theiet.org/resources/overview/dance-electric.cfm
Suitable for: Key Stage 3
Challenge: understand how dance floors can generate electricity and consider how output is linked to activity.

Healthy Childhood
http://www.nationalstemcentre.org.uk/elibrary/resource/121/healthy-childhood
Suitable for: Key Stage 3-4
About: Work with complex charts, used by professionals who monitor the physical development of children.

Reacting Times
http://www.nuffieldfoundation.org/applying-mathematical-processes/reaction-times
Suitable for: Key Stage 3-4
Challenge: To design an experiment to measure reaction times and use it to test people's reaction times.

Sewage Tunnels
http://faraday.theiet.org/resources/overview/sewage-tunnels.cfm
Suitable for: Key Stage 3
About: Move past an 'out of sight, out of mind' approach to sewage, and develop mathematical process skills.

Stretchiness
http://www.nationalstemcentre.org.uk/elibrary/resource/355/stretchiness
Suitable for: Key Stage 3-4
Challenge: Investigate the stretchiness of jelly sweets, consider material, length of time and type of sweet.

Supermarket Car Parks
http://www.nationalstemcentre.org.uk/elibrary/maths/resource/1060/supermarket-car-parks
Suitable for: Key Stage 3-4
Challenge: Explore the efficient use of space in car parks with two-dimensional 'best fit' problems.

STEMNET regional contract holders:

Hampshire and Isle of Wight: Winchester Science Centre, Stuart Parks: stuartparks@winchesterssciencecentre.org
Kent and Medway: Canterbury Christchurch University, Tsige Sherington: tsige.sherington@canterbury.ac.uk
Oxfordshire, Buckinghamshire, West Berkshire: Science Oxford, Olivia O'Sullivan: olivia.osullivan@scienceoxford.com
Surrey and Berkshire: University of Reading, Julie Smith: julie.smith@reading.ac.uk
Sussex: STEM Sussex at the University of Brighton, Daniel Hawkins: STEMsussex@brighton.ac.uk