

K'NEX CHALLENGE



**A Year 5/6 Engineering Challenge
for primary schools located within
Hertfordshire, Luton,
Peterborough, Essex and Suffolk**

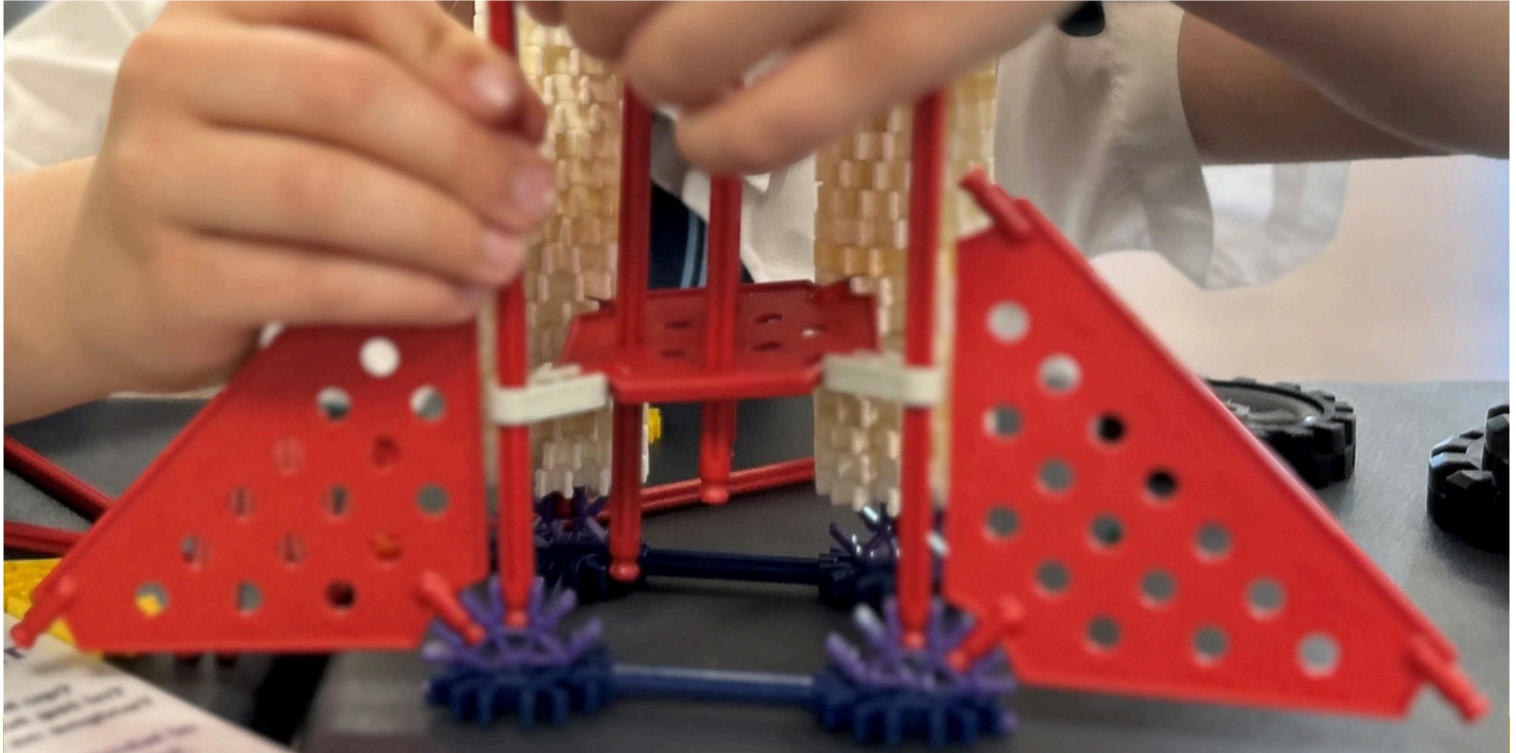
**With thanks to sponsorship and volunteer STEM Ambassadors,
we can maintain the affordability of this workshop for schools.**

SCAN ME



**The price for 2025 is:
£65.00 for one class (up to 36 pupils)
£80.00 for two classes (up to 72 pupils)**

**If you have 3/4 classes, you must reserve two consecutive challenge
days. This fee includes all administration and travel expenses.**



Curriculum links:

D&T

- Developing, planning and communicating ideas
- Working with tools, equipment, materials and components to make quality products
- To evaluate ideas and products
- A practical task

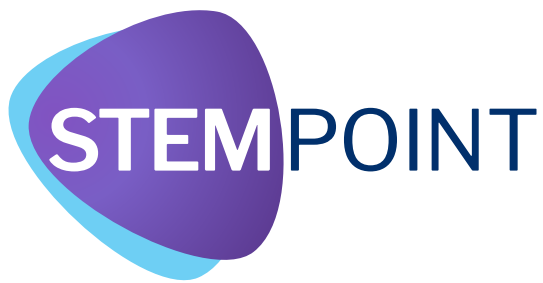
Science

- Working scientifically
- Everyday materials and their properties
- Forces and motion

JUDGING CRITERIA

- **TEAMWORK**
- **DESIGN & DISCUSS**
- **PROBLEM SOLVING**
- **COMMUNICATION**
- **TESTING**
- **OPERATION & FUNCTION**

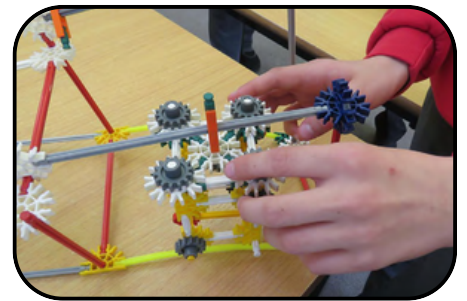
The aim of the 'Go Construct K'Nex Challenge' is to provide primary school children with an introduction to the exciting world of mechanical engineering in a fun and educational way. The challenge is aimed at Years 5 & 6 as a classroom activity and is suitable for children of all abilities. (Smaller intake schools may include Year 4)



The challenge requires the children to work in pairs (max 36 children per session) and involves them building a design solution to a problem.



It encourages teamwork, communication, the opportunity for pupils to develop and demonstrate their problem solving skills, use their imagination, creativity and ingenuity as well as early project management skills.



The children then have 1 hour to build a model based on a set scenario. Each school is given the exact same challenge, which is kept Top Secret until the day.... !

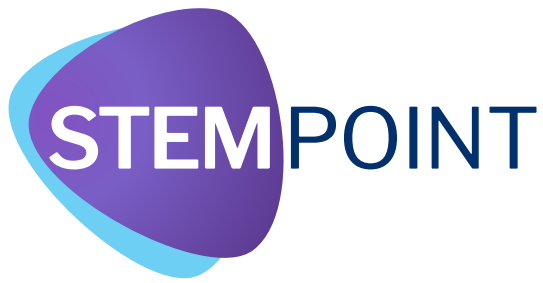


The pupils start the challenge by drawing the ideas, they then build their solution, adapting their initial designs as they learn what works and what doesn't!



The pair who build the winning class model will receive a medal each and a winners certificate, and their model will be entered into the Regional Final to be judged against the other schools taking part.





REGISTRATION FOR 2025 IS NOW OPEN!

We are aiming at delivering 180 challenges spread over Hertfordshire (x100) Luton (x20) Peterborough (x20) Essex (x20) and Suffolk (x20) in 2025

Please confer with your Year 5 & 6 class teachers and ensure that your school only registers once.

In December '24 you will receive notification of your challenge date and details of your allocated Challenge Leader for the day. (Go Construct STEM Ambassador)

Unfortunately, we are not able to allow schools to choose their own challenge dates, as the kits will travel around the county in a systematic way. There is a section on the form where you can list any dates which are NOT suitable and you would like us to avoid.

Your allocated Go Construct STEM Ambassador will contact you prior to the challenge date to run through the logistics of the day and answer any questions you might have beforehand.

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If you have any questions please email knex@stempoint.org.uk



PLEASE USE THIS LINK TO REGISTER TODAY!

<https://bit.ly/KNEX2025>

SCAN ME

