

STEM at Fulford

Subtitle

What is STEM

- Science, Technology, Engineering and Mathematics.
- Problem solving.
- Working with materials.
- Communication and teamwork.

A brief history of STEM at Fulford...



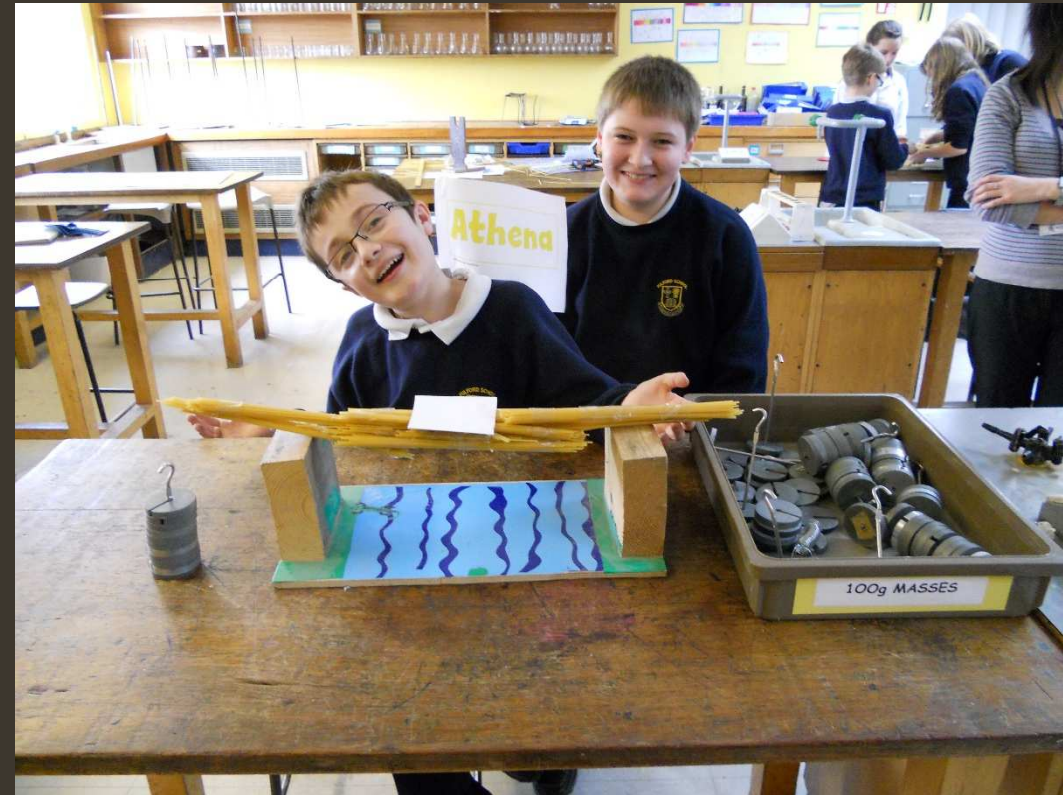
Year 1: The beginning

- Six challenges one per half term.
- Teams of 4-5 in houses.
- Points accumulated to determine winner (Artemis).



Year 2: Progression bigger and slightly better

- Six challenges, one per half term.
- Challenges were more imaginative and complex.
- STEM ambassadors role invented.



Year 3: Going global!



International STEM challenge series invented

- In July 2012 a group of visiting head teachers from AUS, CDN, USA came to visit and we ran a STEM challenge for them with our STEM ambassadors.
- The challenge was such a success that subsequent challenges were sent to schools around the world.
- 10 schools have been involved with the most proactive ones sending videos of their results.

Highlights:

Challenge #1 Crazy catapults results from Taumman Sec Girls School Palestine:

Annex A

[Challenge #1 results: You Tube link](#)

Challenge #2 Titan Tower results from Saghalie Middle School USA

[Challenge #2 results: You Tube link](#)

The Future...

Continue good progress made with existing competitions.

Look to bring challenges to feeder primary schools.

Thoughts include:

- Come into school and run first challenge
- Bring STEM student ambassadors to help with running activity
- Send out introductory videos to schools so that subsequent challenges are understood.



Thank you for your time

Contact details:

Sam Lynn

HLTA for Science Fulford School

Email: lynns@fulford.York.sch.uk

You Tube Channel:

STEM: International Challenge Cup