

STEM
Projects for
Transition



What is STEM and how can you get involved?

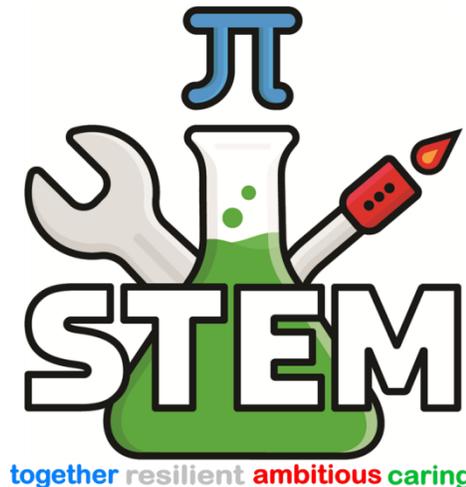
STEM stands for **Science Technology Engineering & Maths**. It is something we focus a good deal on at Titus Salt School, with a particular interest in engineering.

During your time at Salts there will be plenty of opportunities for you to be involved in interesting and exciting STEM projects. For Year 7 – 9 pupils you can take part in STEM club which happens every week and you will cover topics such as Engineering challenges, robotics and Maths formula one challenge. We work closely with local engineering companies where we can visit and talk to real life engineers and if you really like engineering you can choose it as a GCSE option in Year 10.

Over the next two pages we have chosen some national and world wide competitions you might like to have a go at over the next few weeks. They range from hands on practical challenges using equipment you have at home to longer projects focusing on creating sustainable cities.

Enjoy!

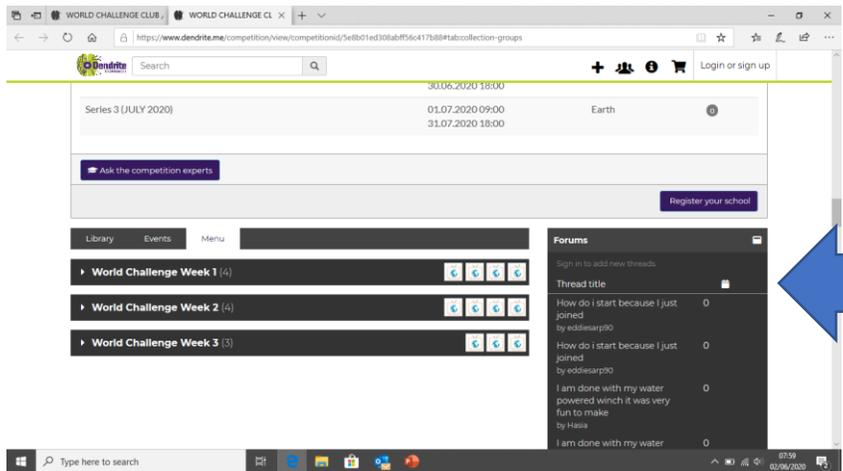
Mr Green – Leader of STEM at Titus Salt School.



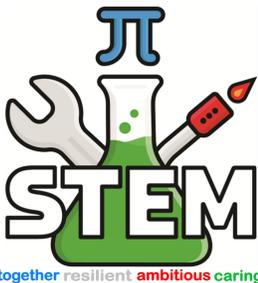
World Challenge Club

Below is a link to the World Challenge Club website. They are an organisation who create engaging STEM challenges for schools and pupils. They have recently made all their competitions available for people to take part in at home. Each week they come up with a new practical challenge for you to take part in, there are useful videos to watch and you can register and up load your work to be in a chance to win a competition.

<https://www.dendrite.me/competition/view/competitionid/5e8b01ed308abff56c417b88#tab:collection-groups>



If you scroll down to the bottom of the web page it shows you the projects that have already been up loaded and the current project. if you look at the resources it tells you what to do.



The Bright Ideas Challenge by Shell

Below is a link to the Bright Ideas Challenge sponsored by Shell. The competition asks you to design a sustainable city, which uses more environmentally friendly ways of powering the city and cleaner transport. If you watch the video on the home page it tells you how to enter. Making engineering more environmentally friendly is very important for the future and this project is a good introduction to that. The competition runs until the 19th June but it is something you could do in your own time as it is an interesting topic to cover.

<https://www.shell.co.uk/sustainability/society/supporting-stem/bright-ideas-challenge.html#iframe=L2ZvcmlzL2JyaWdodF9pZGVhc19jaGFsbGVuZ2VfcmVnaXN0cmF0aW9uXzlwMTg>

