



## ***GSA Advisory Panel – Meet the members:***

Following on from our first introductions to our Advisory Panel in our last e-update in the summer, we are pleased to introduce another member of the panel:

### ***“Meet the Panel.....”***

**Andy Thomson, Director of Design Technology & Engineering, Highgate School.**

We are delighted that highly committed and experienced teacher, Andy is a member of our Advisory Panel. With Andy’s experience in both independent and state schools, his enthusiasm for STEM and the drive for the subject provides a wealth of support and experience to the panel.

Andy currently teaches classes from Year 3 up to Year 13 which allows him the unique opportunity of understanding exactly what is happening in each key stage and to also practice what he preaches.

Andy’s passion and love for STEM is not limited to the school he teaches, he is a true believer in outreach and has developed strong relationships with schools all over the UK.

Andy was awarded ‘Teacher of the Year 2014’ by VEX Robotics at The Big Bang Show. His work with embedding robotics into the curriculum has been an amazing success and one of his teams made it through to the world championships in Kentucky USA.....



## ***Royal Academy of Engineers Challenge Boxes***

Over the last year we have been busy working alongside Mindsets (UK) Ltd and the Royal Academy of Engineering to support a series of engineering challenges that have been created for the RA Eng Schools’ Network programme. Learners have been rewarded with digital badges for their efforts in completing a range of STEM challenges including the ‘This is Engineering – Entertainment’ series and the ‘Engineering in a Pandemic’ series. As part of these digital badge awards, learners have also earned the bronze Global STEM Award in recognition of their efforts in completing all challenges in each series.

For further details on how to get involved with the RA Eng challenges and to sign up to the Schools STEM Network, visit [raeng.org.uk](http://raeng.org.uk)



# Hornsea 6th Form Students achieve Platinum Global STEM Awards

A group of students from Hornsea School and Language College 6th Form, East Yorkshire, have been the first students to have been awarded the Platinum Global STEM Awards for their EPQ style, design project work that has taken just under 12 months to complete. The students are part of the STEM careers pathway group at the 6th Form and have been working alongside a Yorkshire based construction business, Hobson & Porter with a brief to develop their own designs for a new community leisure centre for their local town.



## 'New' product - 'Candoo' Careers Card Game

UK STEM is excited to announce the launch of Candoo – an exciting and engaging card game to get the conversation started about careers, skills and qualifications.

Win by collecting the important qualification and skills so you can achieve your career! However, life events – redundancy and career breaks can cause problems for you – or your competitors!



## St. Lawrence Academy Summer School

UKSTEM ran the STEM part of the St. Lawrence Academy Summer School, aiming to increase the digital literacy skills and engagement in STEM activities of students that attended. Four short projects were on offer: Retro Gaming (making a Stackr game using Crumble); 3D Design (designing a space-themed keyring on Tinkercad); Global Conservation (creating a tour of conservation sites across the globe using Google Earth Projects); Polar Food Challenge (designing a menu for a polar café using a nutrition calculator developed by UKSTEM). Students were also awarded Global STEM Awards for each project they completed. The projects were a great success – and North Lincolnshire Council visited on the final day to see how they had gone, to talk to the students about their projects and even play a game of Candoo!

UKSTEM were able to go in and give awards out at an assembly in the school at the start of term. In total, 46 Awards were given out – a mixture of Bronze and Silver. In addition, 8 prizes (Crumble Universal Buggies, or CUBs) were given out to students to recognise the effort they had put in to their projects.

