

Welcome to the first Global STEM Awards e-update for 2022; we are excited to share lots of news and new developments with you!

## Global STEM Awards – New Developments

Our first piece of news for 2022 is the re-launch of Global STEM Awards with lots of new and supportive resources. The new resources will enhance the STEM learning experience of learners as well as provide some useful evidence of impact, progression, and awareness of the key skills learners will develop as young engineers or STEM scientists.

We have a new validation framework which sets out the criteria for achieving a Global STEM Award, highlighting the learning outcomes that are achieved at 5 new progressive levels.

	Age-related learning level	Bronze	Silver	Gold
Elementary	Lower Key Stage 2 (years 3-4)	2 objectives	3 objectives	4 objectives
Intermediate	Upper Key Stage 2 (years 5-6)	2 objectives	3 objectives	4 objectives
Advanced	Key Stage 3 (years 7-9)	2 objectives	3 objectives	4 objectives
Higher	Key Stage 4 (years 10-11)	2 objectives	3 objectives	4 objectives
Platinum	Sixth Form (years 12-13)	All objectives		

As educational partners with Skills Builder, we have also aligned the new framework with the Skills Builder, 8 essential skills that are not only developed as key skills in STEM learning but are also transferable across all industries and career roles. For details on this and how to get started, please visit our website: <https://globalstemaward.org/>

## Royal Academy of Engineers Challenge Boxes

To accompany the 'Pandemic', 'Entertainment' and 'Sustainable Futures' activities, a new set of 'The Future of Flight' challenges are now available. In the new Flight series, there are 7 activities to complete including Theory of Flight, Communication, Material and AI. All learners completing a challenge will earn a new digital 'Flight' badge and when all 7 are complete, learners will also earn a Bronze Global STEM Award.

You can access the RAEng resources and activities from your local RAEng Teacher coordinator and from here: <https://stemresources.raeng.org.uk/resources/enrich/this-is-engineering-entertainment>



## Global STEM Awards Advisory Panel –

### Meet the members:

Our advisors represent a range of STEM professionals and organisations from across the UK and following on from introducing 2 of our members so far, our third member is... **Leanne Mee**

Leanne Mee founded The STEM Workshop with the ambition of ensuring all young people gained access to quality STEM education. Leanne has worked in secondary education for 17 years teaching and leading STEM.



An experienced teacher of Design and Technology, Leanne has taught all disciplines including Engineering

An experienced leader of STEM, Design and Technology, Leanne recently gained the National Professional Qualification for Senior Leadership for bringing about sustainable changes in STEM education within the Academy and surrounding community, to include transitional work at primary and secondary.

Leanne has a vast amount of experience working on wider initiatives to include work with the RAF Museum Cosford supporting their STEM engagement. She also presented at the Education Show 'The secret to engagement between school and business'.

## New Scientist 'Live' Show – 12-14 March 2022

After a 2 year break we are once again hitting the road to exhibit at the New Scientist 'Live' Show in Manchester next month! We are looking forward to demonstrating our products in person to members of the public and school children. <https://live.newscientist.com/>

This year we will be demonstrating the Crumble Cub, our new 'H2 the Future' hydrogen fuel cell buggies and also Supergrid. We will have lots of products to sell on the day!

We are also excited to officially re-launch our new Global STEM Awards at the show with the new Explorer and Conservation textbooks. There are lots of great STEM activities inside to complete and earn a Global STEM Award Certificate!

If you are able to join us, please book a ticket on the link above and make yourselves known to us at our stand!

Your email address is stored securely and NOT used for any other purposes. Your details will not be passed onto any 3rd party unless you request us to do so. If you have any questions on UKSTEM Ltd Data protection please contact any member of the team and we'll be pleased to help. If you wish to unsubscribe from this newsletter please reply with UNSUBSCRIBE in the subject line.

