

# pre-options Y8 STEM family challenge

January 2017



**“Really impressed by the potential that my child has!”**

“Really enjoyed the exercise. Can't wait to do it again. Very inspiring.”

“I know we do a lot of events with STEM but more would be great and helpful”

“I really enjoyed this event and can't wait for future events”

Run again by STEM Sussex, this fun evening event was designed to raise awareness and show families some of the courses and careers available in STEM, as well as give students the opportunity to work in teams on an exciting 'hands on' design and make challenge activity. We encouraged as many students as possible to bring an adult along, however this was not essential.



New this year . . . music and entertainment courtesy of Runway Radio

The evening was free to our 40+ participants, with refreshments provided, and followed a similar format to our very successful previous evenings:

- 2 x STEM ambassador guest speakers

*Phil Edwards of Weald Technology gave a talk about his career from a Design Apprenticeship at The APV Company in Manor Royal through a number of design, manufacturing and operations engineering roles. He became self-employed in 2005, initially working as a manufacturing consultant, but since 2010 has been involved in design and engineering of electric and hybrid vehicles.*

*He stressed to the students that the reason he is still working in engineering, nearly 40 years after starting his apprenticeship, is that "it's forever evolving and we'll never reach the point where there is nothing left to design. It can be a well-paid career; there's huge demand across the world; and anyone entering the world of engineering in the next few years is likely to be working on something that doesn't even exist today – such is the pace of technology."*

- STEM family 'Egg drop' challenge – “Does a dropped egg always break?” Family teams were made up to include at least one student and one adult (parent / guardian / family friend and/or teacher) to design and build contraptions from 'junk' that would successfully land eggs on “X marks the spot!”



CONGRATULATIONS!  
Michelle Godfrey Galvez and mum

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# The Design & Build ...



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# The Drop ...



Scrambled egg carriage and eggs - pert analysis @  
STEMaticCC on YouTube  
<https://youtu.be/Yf5EshVukBQ>

For more STEM information check out [www.STEMaticCC.com](http://www.STEMaticCC.com)  
or contact STEM Sussex on [www.stemsussex.co.uk](http://www.stemsussex.co.uk)