



Mary Webb School & Science College, Pontesbury, Shrewsbury, Shropshire SY5 0TG

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Dear Parents/Carers

12th March, 2018

STEM Curriculum Day – Thursday March 15th 2018

Thursday 15th March is our annual curriculum day dedicated to STEM. Year 7-10 will be participating in activities designed to inspire and showcase opportunities within science, engineering, technology and mathematics. This year, we welcome Selena Harris, a former Mary Webb student now working for Google to headline the day. The activities are listed below:

Year 7

Year 7 students are either in school creating, building and testing a “Bloodhound” supersonic car with the support of RAF Cosford (see <http://www.bloodhoundssc.com/education>), or visiting the Science Department at Manchester University for the day.

Year 8

Year 8 students will be taking part in activities on the theme of ‘sustainability’. They will do an ‘Energy Quest’ involving electric cars (<http://www.tomorrowseengineers.org.uk/energy-quest/>) and visit our local nature reserve on Pontesford Hill with a team from Shropshire Wildlife (<https://www.shropshirewildlifetrust.org.uk/>).

Year 9

For those students not on the Trenches trip, Year 9 will take part in “Maths@Work”. This involves meeting a range of professionals who share how STEM impacts on and supports them in their current and/or past careers. Year 9 will also take part in a session led by First Edition (<http://www.etrust.org.uk/first-edition>) where they will be given a hands on introduction to two different STEM opportunities in Civil Engineering and Coding.

A small group of Year 9 students have elected to work with MicroVideo – a team of outside professionals who specialise in producing and broadcasting live feeds on specific events.

Year 10

There are numerous activities taking place for Year 10 and your son or daughter will be involved in one of the following:

- Design Technology students will visit Jaguar Landrover at Wolverhampton
- Winners of the 2017 regional CREST Finals are participating in the national finals at the Big Bang in Birmingham (<https://www.thebigbangfair.co.uk/>)
- Structural engineering to build an “Ice Bridge” and genetic engineering to extract DNA and to look at blood
- Working with graffiti artist Nick Halahan to communicate STEM through art.

This promises to be a thoroughly rewarding day. Enormous thanks in advance to all who make these opportunities and experiences possible for your son and/or daughter.

Copies of specific letters can be found under the Parents tab on the school website.

Yours sincerely

Miss J Hall
Deputy Head teacher