



STEAM

SCIENCE, TECHNOLOGY,
ENGINEERING, ART AND

MATHS

SPRING 2018

St Ambrose Barlow RC High School & Sixth Form College

A National Teaching School

A National School of Creativity

NEWS & EVENTS

Spring 2018

ROCKET PROJECT

Some of our feeder primary schools have been taking part in a 6 week project learning about space and forces. This resulted in students designing and testing their own rockets. Christ the King RCPS visited us this half term to launch their creations with great success.

YEAR 13 A-LEVEL FILM STUDIES

Students are creating their final film projects that are worth 25% of their final grade. The short films are 5 minutes long and have been created using knowledge of sound, cinematography and editing techniques. Filmed projects have been created by Ellie Stephens, Ben Hadfield, Hannah Cheetham and Joe Shearer

MOON PROJECT

Year 7 set 1 pupils were involved in a creative workshop about the moon. They learnt about the moon and what it would be like to live there. They then designed various objects for life on the moon including buildings, cars and even fashion!

YEAR 12 WORK EXPERIENCE

Several students managed to secure work experience at some of the biggest consulting and construction firms in the country.

Paig Couser and Harry Candland attended Kier Construction to experience Project management. Harry Peet has attended AEW Architects to experience BIM Engineering and both George Saunders and Abdul Abdo are due to attend Civic Engineers in the next few weeks.

BLETCHLEY PARK

A small group of Year 10 pupils visited Abraham Moss High School as a follow up to their trip to Bletchley Park. Next term the team will attempt to build their own Enigma machine. Watch this space..



FUTURE OPPORTUNITIES

UPCOMING EVENTS

If you would like to get involved in attending, supporting or delivering any of the below events please contact Mr McDonagh or the relevant teacher.

STEAM FOCUSED ACTION RESEARCH

A number of teachers from St Ambrose will be conducting action research projects linking STEAM subjects. This research will be on-going across the school year and aims to develop the STEAM curriculum and pathways for our pupils and feeder Primary school pupils.

DEC BREAKFAST CLUB

All Level 2 and 3 DEC students are invited to attend Breakfast Club on Wednesday and Friday mornings to work on their coursework. Its an informal and relaxed way to catch up on any work and toast is provided!

ICE/ ST AMBROSE BRIDGE DAYS: PRIMARY OUTREACH

30 pupils from each of our 6 feeder primary schools will be attending St Ambrose later this academic year. The pupils will be applying their knowledge of engineering, which they learnt through a four week Scheme of Work produced by ICE and SAB, to build a 17m cable bridge. The pupils will have to construct the bridge in teams and then test its strength by walking across it!

YEAR 13 PAID WORK PLACEMENTS

Shania Morris and Joe Shearer will continue their paid placements at Laing O'Rourke next week until the end of the school year. The students aim to apply for degree apprenticeships following on from their A-Levels, which will conclude next term.





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