



STEAM

SCIENCE, TECHNOLOGY,
ENGINEERING, ART AND

MATHS

SPRING 2017

St Ambrose Barlow RC High School & Sixth Form College

A National Teaching School

A National School of Creativity

NEWS & EVENTS

SPRING 2017

YEAR 12 FILM STUDIES

Students created their original scripted screenplays/ filmed projects - first steps to Hollywood! The projects covered key film conventions such as editing, character development, lighting, key dialogue and creativity/flair with some OSCAR winning performances from Josh Law, Ben Hadfield, Kieran Smith and Hannah Cheetham.

PARTNERSHIP WITH BUROHAPPOLD

BuroHappold have invested significantly towards human resources to support the DEC! curriculum across all three Key Stages for the remainder of this school year. The partnership has so far proved extremely successful in engaging and further challenging our students.

VISIT TO THE HOUSE OF LORDS POSTPONED

On 23rd March Mr McDonagh and four ex-students were been invited to the House of Lords to discuss the schools excellent pathways program. In light of events in London the day before the event was postponed until later this summer.

YEAR 13 DEC VISITS TO INDUSTRY

Students have visited BuroHappold offices

in Castlefield and presented their Level 3 work to be critiqued by engineers from a range of disciplines. The feedback was positive and informative. The students also visited Civic Engineers offices in Northern Quarter and met with a number of professionals from their team to discuss their Level 3 work. As a result of this one student has been offered a work experience placement.

CITB BIM4EDUCATION WORKSHOPS/ CONFERENCE

Our school planned and hosted several events relating to BiM4Education agenda, which included a Primary Teacher Conference (10 teacher attended) and 4 Pupil workshops (Over 180 KS2 pupils attended). The events were led and delivered by a number of our KS3 pupils and were extremely successful.





YEAR 12 INDUSTRY SUPPORT

Engineers from BuroHappold and Laing O'Rourke have visited several Year 12 lessons this term and supported the delivery of lessons on energy analysis and BIM.

YEAR 12 CREATIVE MEDIA

Students are attending the filming of the Hit Channel 4 production Countdown at Media City UK. The filming is of the semi finals and students will be able to see what happens behind the camera and elements of TV production that could lead to a career in TV in the future.

MAG: DESIGNING MANCHESTER AIRPORT

3 Students in year 12 are continuing work with Manchester Airport with the support of Mrs Cheshire and Business Studies. The pupils have been asked to design an element of the new building and are developing a design with a team of experts. This has included the students presenting to directors and property managers of the Manchester Airport group.

MOUCHEL CIVIL ENGINEERING WORKSHOP

Ex student and Apprentice Civil Engineer Lauren Cunningham returned to school with her employers, Mouchel Consulting, to run a workshop. This included 45 Year 9 students and involved a presentation on civil engineering followed by some activities and tasks relating to the built environment.

UNIVERSITY OF SALFORD GUEST LECTURES

Year 12 DEC! students were treated to three guest lectures relating to Capital Costing, Operational Costing and Life Cycle Costing. Lecturers from the School of Built Environment at the University of Salford visited the 6th Form over three weeks to present their lectures, which were arranged as a result of the BIM4Education agenda.



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.

ICE/ ST AMBROSE BRIDGE DAYS: PRIMARY OUTREACH

30 pupils from each of our 6 feeder primary schools will be attending St Ambrose over 28th, 29th and 30th June. 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!

DEC! PLUS

Targeted Year 8,9,10 and 11 students are invited to attend morning catch up sessions taking place Monday- Friday 8am-8:45am in 1dt3.

THE MUSEUM OF SCIENCE AND INDUSTRY EVENTS

THE UK RADIOLOGICAL AND RADIATION ONCOLOGY CONGRESS would like to invite you (and upto 40 Year 9 and Year 10's) to the Schools Engagement and Exhibition section of their annual conference at Manchester Central on the 14th June 2017. It is free to attend and travel costs can be reimbursed. This will be a fantastic event to attend if you have any students interested in health and science.

GREAT SCIENCE GET-TOGETHER has been rearranged for Thursday 27th April 2017, 4.00-5.30pm in the Sackville Street Building of the University of Manchester. The Great Science Get-Together is a free event for teachers in the Greater Manchester area who want to know more about taking part in the Great Schools' Science Share on 5 July 2017. This event will provide you with detailed information about how to participate in the Great Science School's Share and offer you the opportunity to gain ideas and establish contacts to support your GSS activities.

LAING O'ROURKE

BUROHAPPOLD
ENGINEERING

ice

Institution of Civil Engineers



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