



Dear Parent/carer,

The Science team has been lucky enough to secure funding from Take Your Place, for a hands on Science Workshop at Castle Manor Academy by a visiting organisation called Wonderstruck. This workshop starts the day with an hour long show comprising of exploding rockets and a pulse jet powered motor, bringing to life the principles and laws taught to your son/daughter in Science. Your son/daughter will then have the opportunity to compete against their peers to build rockets and fan-powered cars, applying all of their knowledge to design the fastest or the one which travels the furthest.

The workshop will take place all day on Thursday 4<sup>th</sup> October in the Main Hall and the Science laboratories, so students will be out of their normal lessons from 9.00 – 15.00, taking their lunches at the normal time. This workshop is age appropriate and focuses towards our GCSE curriculum. The event allows the students to explore career choices towards STEM careers such as engineering, mechanical engineering and maths careers by expanding both their knowledge in GCSE Physics and Chemistry too.

The timetable for the day is as follows:

0900 – 1000 Science Show in hall  
1000 – 1020 Introduction to Rocket Workshop in hall  
1020 - 1035 Students return kit to classrooms to build rockets  
1035 – 1050 Break time.  
1050 – 1125 Rocket building in classrooms  
1125 – 1150 Rocket launching  
1200 – 1225 Introduction to Fan-Powered Car Workshop in hall  
1230 – 1300 Lunchtime  
1300 – 1330 Tutor time  
1330 – 1420 Car construction and testing in classrooms  
1420 – 1435 Classroom competitions  
1435 – 1500 Grand final competition in the hall

This is for all year 9 students to participate in and will replace their lessons for the day. Should you have any questions regarding the day, please do not hesitate to contact me.

Yours sincerely,

Sally Johnston

Teacher of Science

Samuel Ward Academy Trust is a charitable company limited by guarantee and registered in England and Wales with company number 07400386. The registered office is at Samuel Ward Academy, Chalkstone Way, Haverhill, Suffolk, CB9 0LD.

**Headteacher: Mrs. Vanessa Whitcombe**



Castle Manor Academy  
Eastern Avenue  
Haverhill  
Suffolk CB9 9JE

Tel: 01440 705501  
Fax: 01440 714050  
Email: [info@castlemanor.org.uk](mailto:info@castlemanor.org.uk)  
Website: [www.castlemanor.org.uk](http://www.castlemanor.org.uk)