



Aylesbury High School | #AHSWalksTall

Developing uniquely talented young adults, who are independent, strong and confident

11 June 2024

Dear Parent/Carer

Year 8 Activity Day - Thursday 4 July 2024

We are writing to let you know about this year's activity day.

On Thursday 4 July, your daughter will be taking part in the Year 8 STEM Activity Day. STEM is the acronym that refers to Science, Technology, Engineering and Mathematics - disciplines that form a central part of the curriculum and that are in high demand by employers.

The day will take the shape of a practical challenge, during which students will design and build their own wind turbine, using mathematics, construction skills and the scientific method to investigate how their design choices affect the efficiency and stability of the turbine. At the end of the investigation, the best wind turbines will be entered into a competition to determine which group has most successfully met the engineering challenge.

There is no additional charge for this activity, as costs will be met from within school. The only equipment that will be compulsory to bring is that which we would normally expect students to have for their academic studies (most particularly, on this occasion, a pen, pencil, eraser, protractor, compass and calculator).

We hope that your daughter will gain a great deal from the day, not only by seeing how Mathematics underpins technological design, but also by experiencing the practical challenges and rewards of collaborative work.

Yours faithfully

Scott Elcock
KS3 Science Coordinator

Laura Davidson Fox
HOD Mathematics