



This term we saw the return of the STEM fair after two years of virtual events it was wonderful to have so many students presenting their inventions to the judges and getting involved with a range of challenges along with student friend, parents and governors visiting the fair. This year we introduced two new categories to our competition - LEGO inventions and STEM Cake design, which were very successful, alongside our STEM invention challenge.

The judges from Smiths Detection were extremely impressed with the quantity and quality of the students work. They said that the students showed extreme passion and enthusiasm about their inventions which was a delight to hear and made their job as judges exceptionally difficult.

Congratulations to the winners;

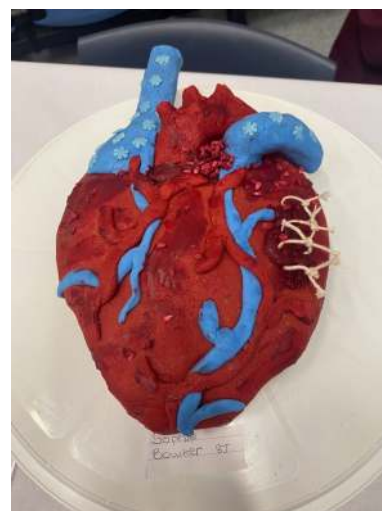
LEGO Challenge- Max W 7D runner up Adam R 7P

Cake STEM challenge- Sophie B 8J, Joint second- Fatima 10J Oscar 10A

STEM invention Challenge- Olivia 10C Second Gerard T 8D Third Jack, Kenan, George, Luke and Edward all 7A

Overall STEM fair winner: Sophie B 8J

All students who took part should be extremely proud of their achievements and will receive certificates for entry and STEM prize. A very successful evening for all involved and we look forward to building on this STEM success into next year
Miss Scanlan



Overall Winner Sophie



STEM Fair– The Judges



The judges from Smiths Detection were extremely impressed with the quantity and quality of the students work. They said that the students showed extreme passion and enthusiasm about their inventions which was a delight to hear and made their job as judges exceptionally difficult.

we had a great time last night, KLS should be really proud of your STEM education, there was so much enthusiasm for the subject areas!!

Sean



MARBELL+US

Step 1
Assemble Filter

Step 2
Measure the Filter

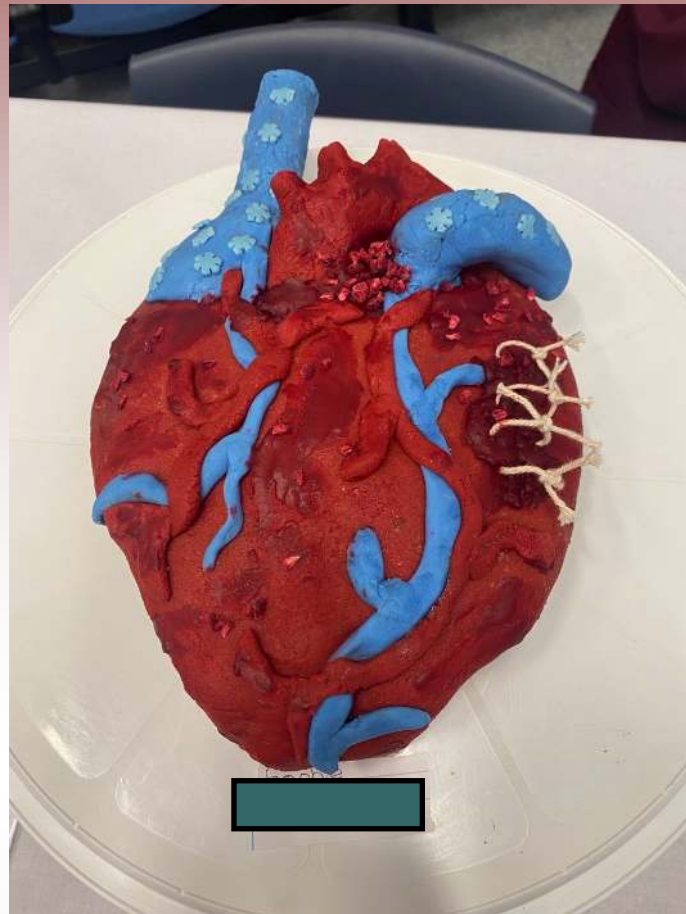
Step 3
Complete the Loop

Step 4
Add the 1st to the 2nd

Edward Anthony 7A 7A



STEM Fair: The Winner— Sophie B 8J



I decided to make a heart cake because I am passionate about biology, especially the human body. When I am older, I would like to be a GP or be in the field of medicine, so I wanted to make a cake that represents what I am interested in.

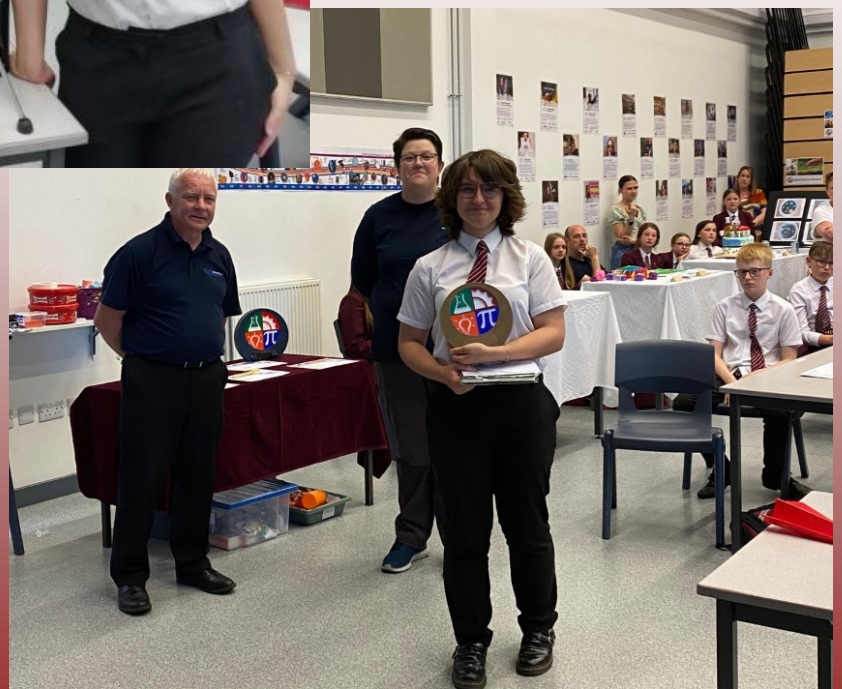
Sophie B



STEM Fair– STEM Challenge WINNER

My STEM model was a representation of the solar system. The Planetarium was made up from black cloth decorated over a telescopic tripod and layered with hand made lights, that were made from copper wire. On the tripod, were Styrofoam made planets that hung in a specific astronomical array and a sun that opened up with facts inside. When I heard that I had won I was very shocked and excited because it was the first time doing the STEM fair. It was very fun and I would do it again definitely.

Olivia 10C





STEM Fair– Runners up



Cake STEM challenge-
Joint second-
Fatima10J
Oscar 10A

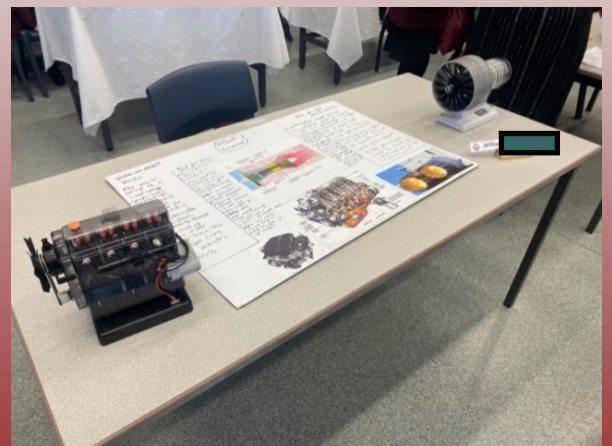
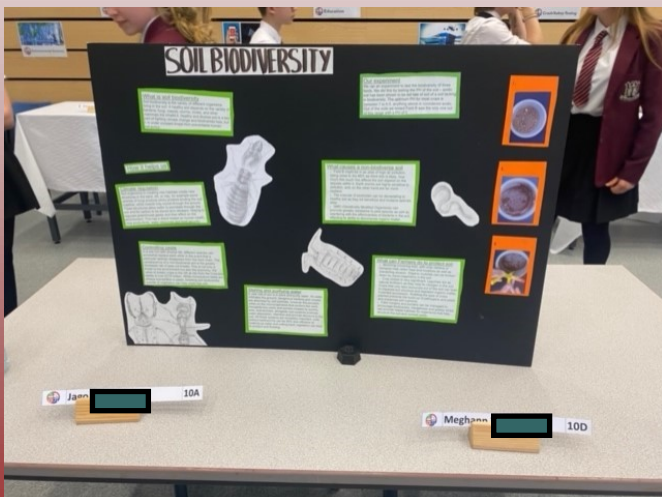
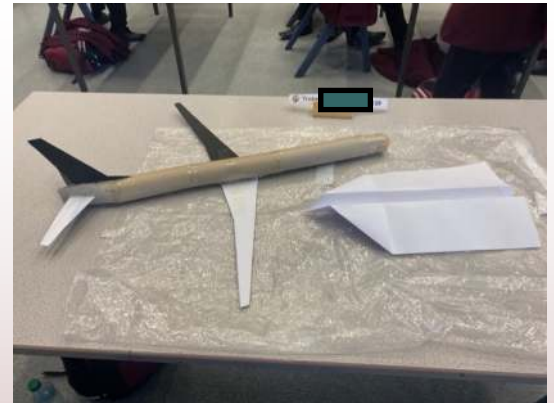
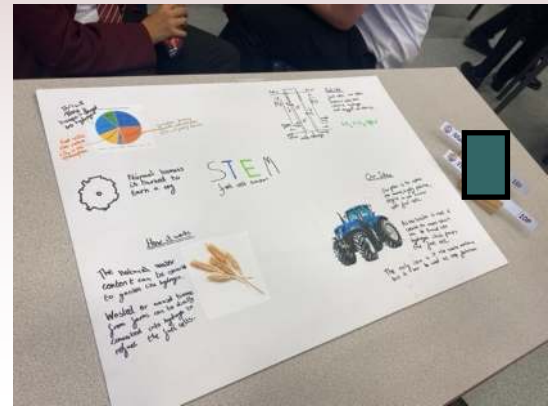
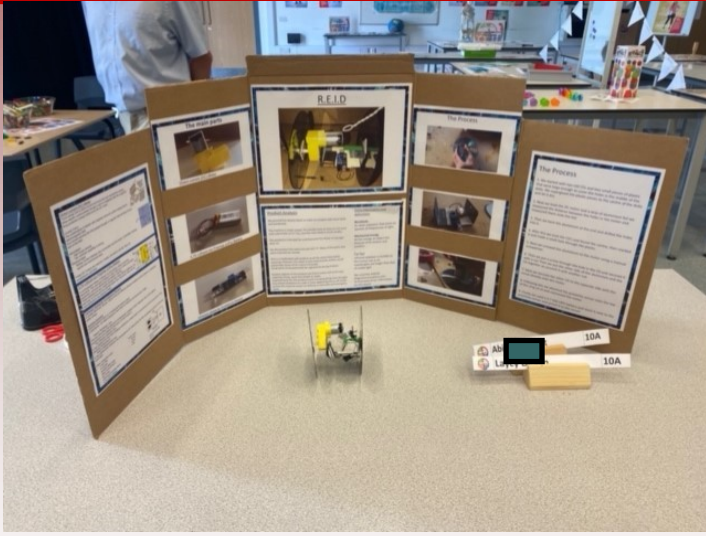


LEGO Challenge-
Max W 7D runner
up Adam R 7P



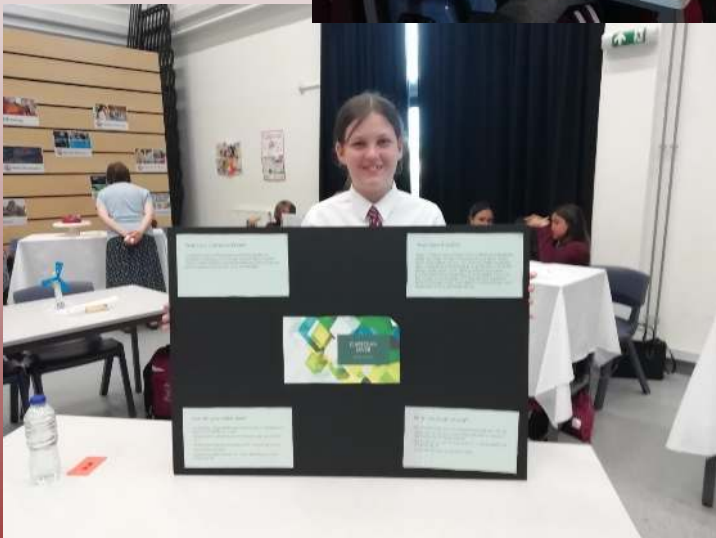
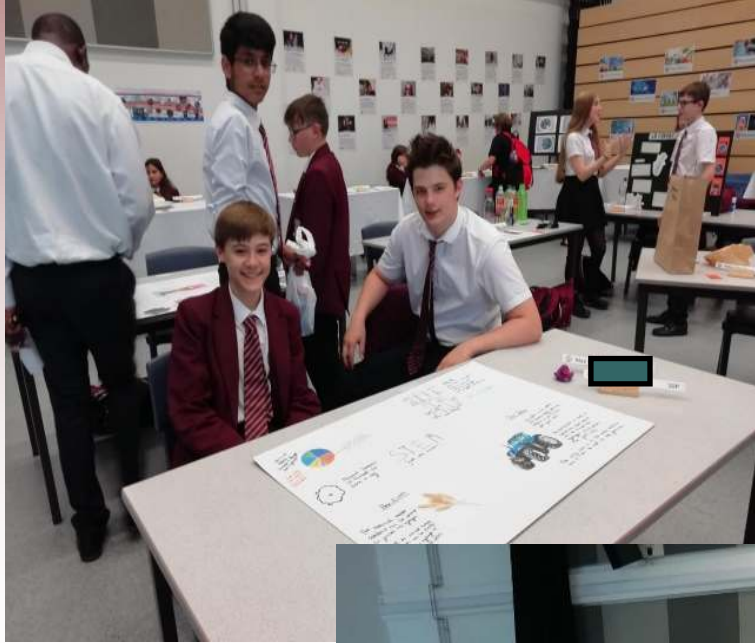
STEM invention Challenge-
Second Gerard T 8D
Third Jack, Kenan, George,
Luke and Edward all7A



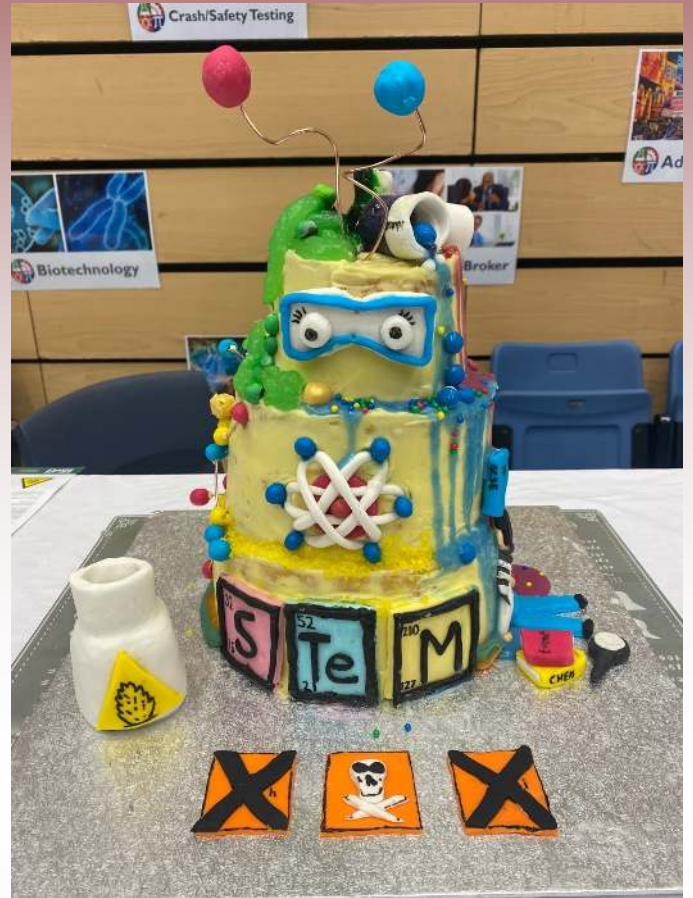
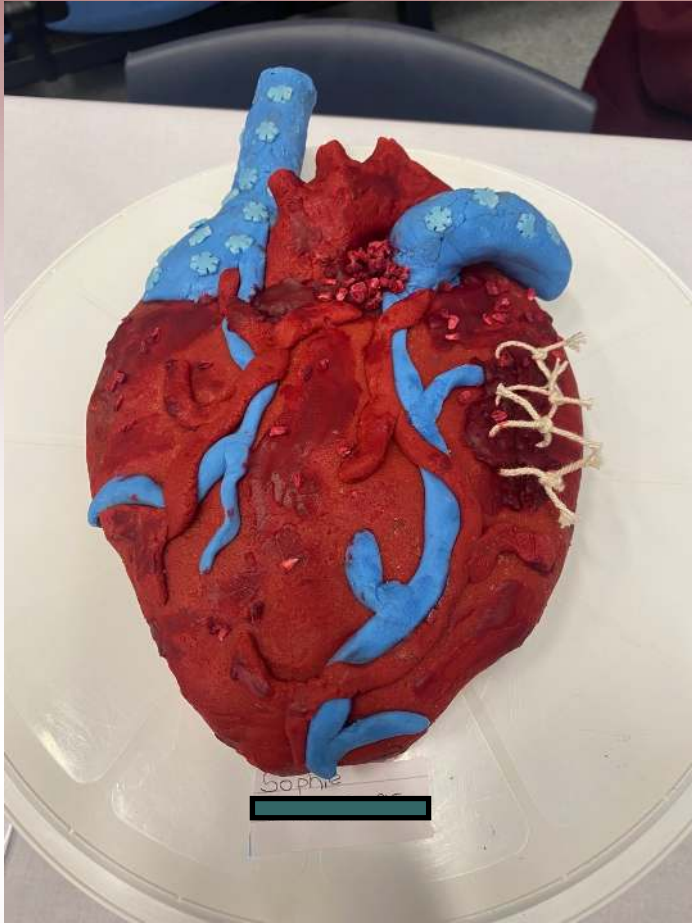




STEM Fair: Entries



STEM Fair The Winning cakes



STEM Fair: The cake competition



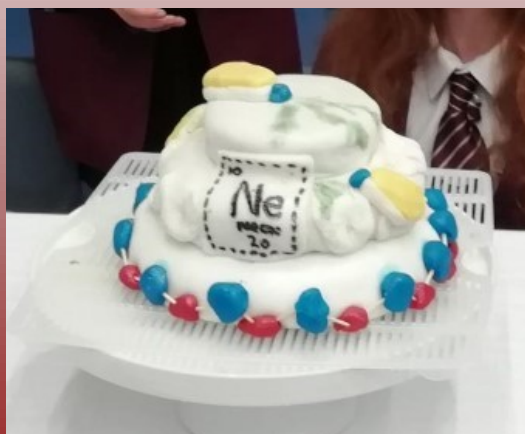


STEM Fair: The cake competition



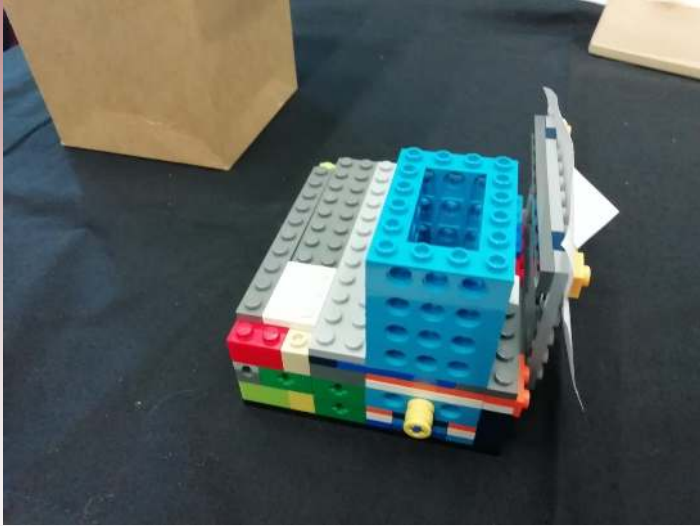


STEM Fair: The cake competition



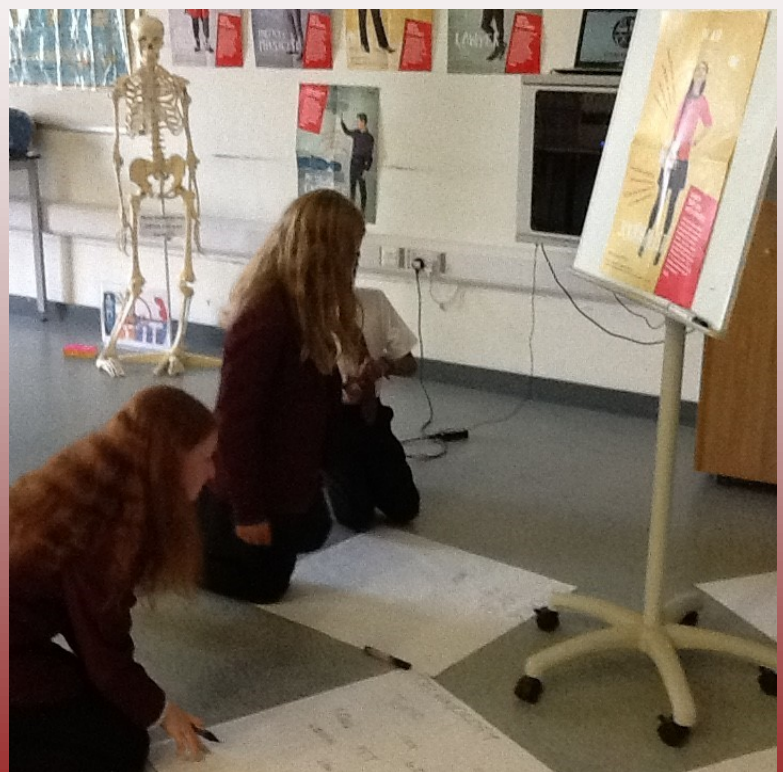
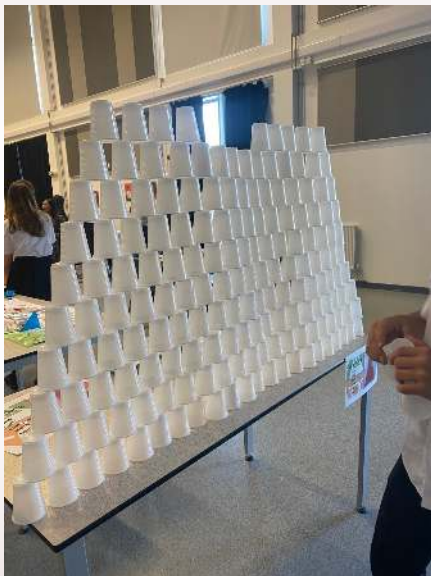


STEM Fair LEGO Competition





STEM Fair: The subject activities





STEM Fair: The flight zone





STEM Fair: Lots to see and do



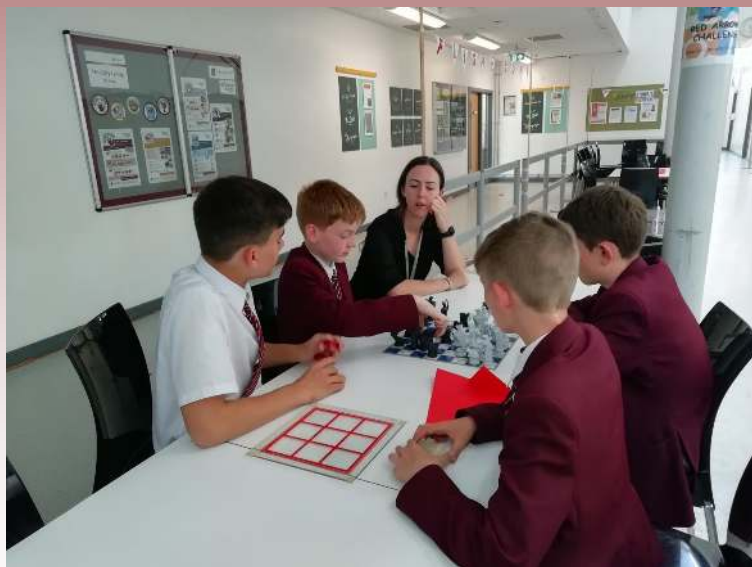


STEM Fair: Thanks to the teachers who visited and joined in with the activities





STEM Fair: Thanks to the teachers who visited and joined in with the activities



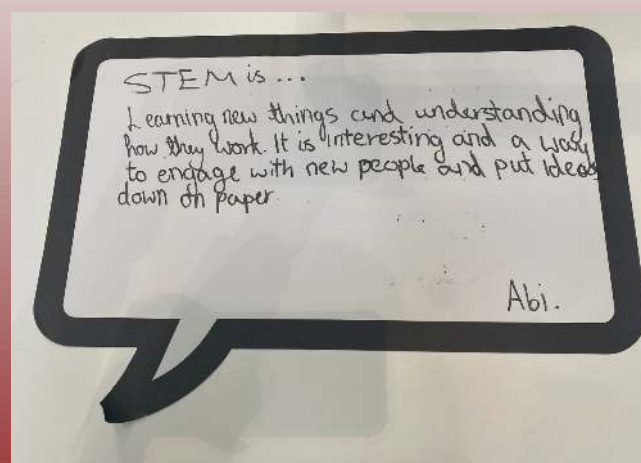
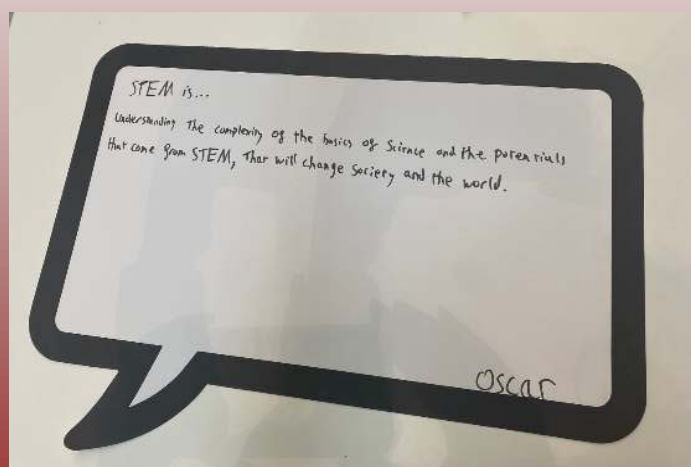
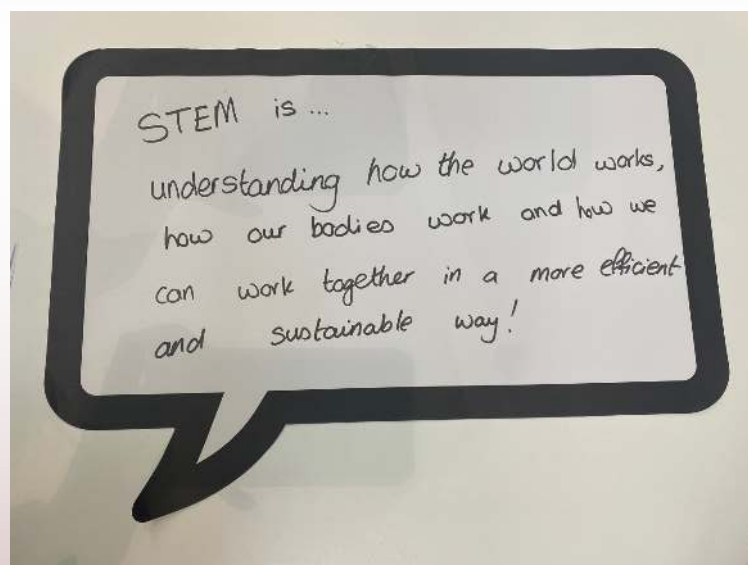


STEM Fair– Students view

It was so great to see that as a school community we could produce a wide variety of different activities linked with STEM. What was also great was seeing that every single contestant had something to share, and every entry was different, which was great to see that lots of students had different mind-sets about what they thought about STEM. In my opinion I thought that this years STEM fair was very imaginative and creative. This was a nice idea and great to see how every single stall had something different. I thought there was a wide variety of different activities everyone could get involved in, it was amazing to see that there were different activities linked with what STEM stands for. Next year I think that we could have some more suggestions from students for some different practical activities that the students would like to see. I thought it was great to see a variety of different students from each age group and see what each year group could create.

Thank you for inviting me.

Harry J 9C



STEM Fair– Visitors views



What did you think of our STEM fair

Really inclusive and a lovely variety of exhibitions– I loved the brain cake

Really impressed with the confidence and passion shown by the students

Excellent

I loved the ideas, passion and innovation from the students

What did you think about the range of activities

Really interesting and kept a 10 year old and a 45 year old dad very engaged

Really wide range of activities loved everything

Good cross section of activities and subjects represented

Really good lots to engage with



STEM Fair– Certificates Presentations



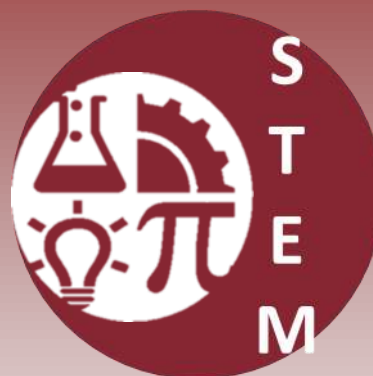


STEM Reads @klslibrary!

How to find STEM books in the library

While you can always browse the shelves in the library to find STEM reads, or ask Ms Hill for recommendations, there is also an easy way to look for STEM books online: using our library website! Go to <https://bit.ly/klslibrary> to visit our home page, then click **Visual Search**, and then the **STEM logo**. From here, you can look through our books related to any of the STEM subjects:





	Bronze	Silver	Gold	Platinum	Diamond
Extra-curricular	Attend one extra-curricular STEM club for two terms.	Attend one extra-curricular STEM club for at least a further two terms	Assist a member of staff in the running of an extra-curricular STEM club for a year term, assuming a role of responsibility.	Plan and run an extra-curricular STEM group for a year.	Take an active role with specific responsibilities for STEM such as setting up and leading a STEM activity
Leadership	Become a student leader within an area of STEM, for a minimum of two terms.	Become a student leader within an area of STEM, for a minimum of three terms, taking responsibility for a specific activity/event.	Become a student leader within an area of STEM for at least three terms, assuming a specific role of responsibility where you contribute to the running of events.	Become a student leader within an area of STEM, for at least two years, assuming a specific role of responsibility where you lead others.	Lead a student group/club within an area of STEM, taking responsibility for its planning, design, content and delivery.
Personal Development	Submit one article to the STEM newsletter or contribute to STEM subject display board or Enter at least one STEM form competition	Submit two articles to the STEM newsletter or contribute to STEM subject display board within a school year or Enter at least two STEM competitions over the year	Submit one article to the STEM newsletter each term or contribute to STEM subject display board each term or Enter at least three STEM competitions (one per term)	Via the STEM newsletter, write an article to be included in local press about a positive aspect of your school or Enter the STEM fair individually or as a team	Produce a STEM student magazine for a STEM subject area of the school over a year. or Lead a team or support a primary school team to enter the STEM fair
School and Wider Community	Take part in a STEM school or community fundraising event	Contribute to a STEM school or community fundraising event assuming a role of responsibility	Lead a STEM school or community fundraising event assuming a role of responsibility	Organise a STEM school or community fundraising event assuming a role of responsibility	Lead on, or assist the support of students in a STEM fundraising event across the school