

STEM & Careers Week

Live it to Learn it!

Last week, our school was buzzing with excitement as we celebrated STEM and Careers Week. The children had the opportunity to explore the world of Science, Technology, Engineering and Maths, while also learning about the many exciting careers these subjects can lead to.

Mollie's Dad

Mollie's dad introduced us to the world of structural engineering, showing us how engineers use different shapes to make the buildings and structures around us strong and safe. The children loved spotting these shapes in real-life examples.

Assemblies

We would like to say a huge thank you to the parents and volunteers who generously gave their time to come into school and share their knowledge and experiences with our pupils.

Livsey's mum...

- Helen, Livsey's mum, delivered a
- fascinating assembly about medicine and
- vaccinations, helping the children
- understand how these important
- discoveries have changed the world as we
- know it and continue to save millions of
- lives.





Sam & Isobel's Dad

We were also delighted to hear from our Chair of Governors, who gave pupils an insight into the banking world and the wide range of career opportunities available for those who enjoy working with numbers and maths.



Miguel's mum

Miguel's mum, a forensic scientist, captivated the children with the story of how she found her way into such an exciting career. The pupils were fascinated to learn how science can be used to investigate and solve real-life mysteries.



- Lawrence's Dad
- Our younger pupils in KS1 were amazed by a visit from an ice sculptor,
- who also showed them how incredible and valuable robots can be in helping people complete difficult or dangerous
- tasks.



Mrs Stamp

Mrs Stamp hosted an 'Inventors Game Show' assembly for KS2, whilst Ms Francis led KS1 and EYFS' assembly, helping pupils explore the history of inventions and inventors. The key message we learned is that we can all be inventors.

All it takes is spotting a problem and thinking creatively about how we might solve it to make life easier for others.



DT PROJECTS

AND THEIR LEARNING

Each year group got fully involved in an exciting Design and Technology project, with many focusing on mechanical engineering. These projects encouraged pupils to work as a team, develop resilience and perseverance, and find ways to overcome obstacles along the way.

NURSERY

Our Nursery children learned the skill of weaving. They created their own individual designs and also worked together outside, weaving materials through the railings to produce a colourful shared masterpiece. [CLICK ME](#)



RECEPTION

In Reception, the children designed and made moving vehicles using shoe boxes, exploring how wheels and axles help objects move.



YEAR 1

Year 1 pupils created their own hand puppets, developing their sewing skills as they carefully stitched and decorated their characters.



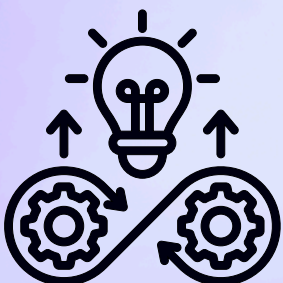
YEAR 2

In Year 2, pupils designed and built their own Ferris wheels, learning about how structures and rotating parts work together.



YEAR 3

Year 3 had great fun creating moving monsters, using balloons and straws to bring their imaginative creatures to life.



CONTINUED....

YEAR 4

Year 4 built mechanical cars and tested how effective they were by seeing how far they could travel, investigating how design choices affect movement.



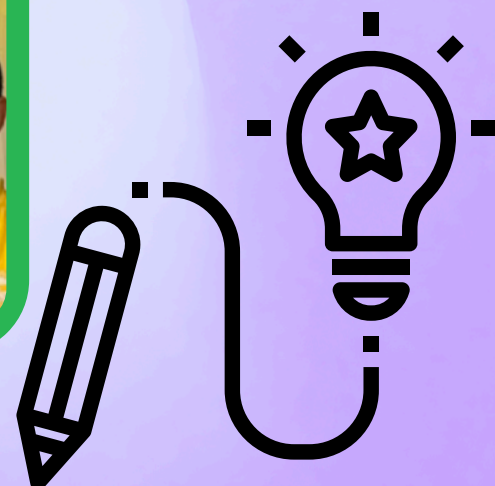
YEAR 5

Year 5 took things a step further by exploring gears and pulleys. They then applied this knowledge to design and build their own mechanisms with the challenge of lifting a pen off the floor.

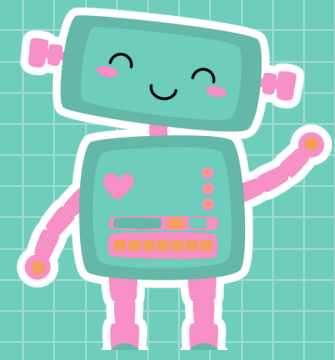


YEAR 6

Finally, our Year 6 pupils created impressive automata toys. They used saws to carefully cut wood and construct sturdy frames, before adding cams to create moving parts within their toy designs.

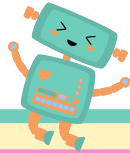


Experts & WORKSHOPS



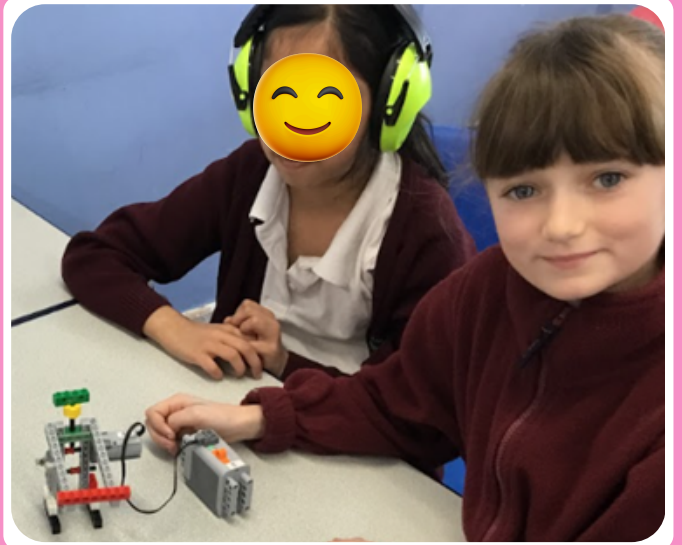
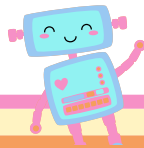
Reception- UCell

We were also lucky to welcome some external experts who hosted exciting workshops for our pupils. In Reception, UCell visited to show the children how a potato can be used as a battery! The children also discovered that our bodies carry a small electrical charge. By holding hands and using special equipment, they were able to measure how much electricity was flowing through them – a very exciting moment for everyone involved.



Y4 Bricks4Kids

Year 4 enjoyed a brilliant workshop with Bricks4Kids, where they used Lego and batteries to build and power their own moving cars, dinosaurs and structures. This was a real hit with the children – and the staff too!



Y6 Forensic Scientist

Our fabulous forensic scientist, Juliet, gave the Year 6 pupils a day to remember. She set up a crime scene for the children to investigate and helped them step into the role of real forensic scientists by dressing up in protective gear. The pupils explored fingerprints using ink and balloons and learned how scientists collect and analyse evidence to help solve crimes. Many of them left the day feeling inspired to explore a future career in this fascinating field. Have a look at Year 6's forensic workshop in action here: [CLICK ME](#)



STAFF WORKSHOPS

PARENTS
INVITED
IN

COMMUNITY Engagement

We were delighted to welcome parents into school for a series of engaging, staff-led workshops across different year groups. These sessions provided a wonderful opportunity for families to learn alongside their children while exploring some of the exciting learning that takes place in our curriculum.

RECEPTION Design and Technology

Reception parents joined their children for a creative Design and Technology workshop led by Ms Becker, our DT Lead. Together they learned new skills and techniques to design and build their very own balloon-powered cars. There was plenty of creativity, problem-solving and laughter as families tested their designs and watched their cars race around Nursery!



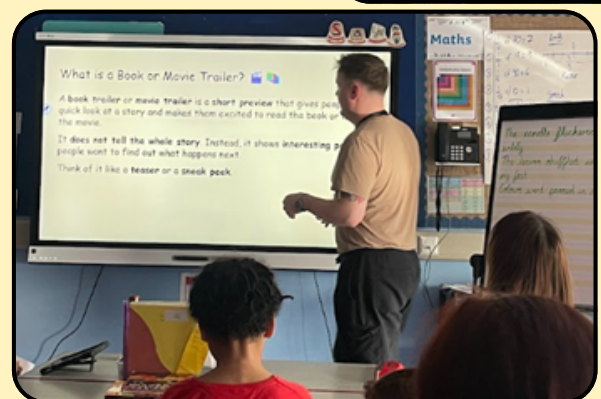
YEAR 2 Forest School Team

Our Forest School team also hosted a hands-on workshop for some Year 2 parents and their children. Families embraced the outdoors as they explored nature through activities such as pond dipping, tree planting and building habitats for local wildlife. It was a fantastic opportunity to learn more about the natural environment while enjoying time together outside.



YEAR 1 Computing

Computing workshops were also a great success. Year 1 parents and children, led by Ms Johnson (KS1 Lead), explored sequencing photographs and thinking carefully about composition. Meanwhile, Year 3 families, led by Mr McKenzie (KS2 Lead), had the exciting opportunity to create a trailer for their class text *Wild Robot* using iMovie, developing their creativity and digital storytelling skills.



Dance Meets Design

Our dance teacher, Ms Chamberlain, even linked her dance sessions with each year group's Design and Technology (DT) project! This exciting cross-curricular approach encouraged pupils to explore their DT themes through movement, rhythm and expression.

Each class worked on choreography inspired by what they had been designing and making in their DT lessons. The result was a series of imaginative and energetic performances that brought their projects to life in a completely new way.

The collaboration not only helped deepen pupils' understanding of their DT topics, but also gave them the opportunity to develop confidence, teamwork and creativity through dance.

Take a moment to watch the incredible outcome here: (INSERT VIDEO)

DANCE
DESIGN

Oracy in Action

Dragon's Den



Connections

Throughout the Spring term, the children have been developing their oracy skills, building confidence in speaking, listening and presenting their ideas clearly. Many year groups linked their oracy learning with our exciting STEM Week, giving pupils the opportunity to use their communication skills in meaningful and creative ways.



Years 2 and 4 took part in a fantastic Dragon's Den challenge. Their mission was to use the oracy skill of persuasion to convince our very 'scary' Dragons – Ms Pugh, Ms Dixon and Ms Charalambous – that their DT project was the best and worthy of investment! The pupils worked incredibly hard to design, present and justify their ideas, showing excellent teamwork, confidence and creativity.

The Winners are...

A special congratulations goes to all of the finalists, who impressed the Dragons so much that they were offered a huge £23 million investment. Demonstrating fantastic collaboration, the finalists agreed to join together as one team and accept the generous offer.



Well done to all the children who took part for their enthusiasm and brilliant speaking skills! It takes a lot of bravery and confidence to speak in front of an audience like that!



STEM TRIPS

AND WE ARE OFF...

OUR PUPILS HAVE BEEN (OR WILL BE) BUSY EXPLORING THE WORLD BEYOND THE CLASSROOM THROUGH A RANGE OF EXCITING STEM-RELATED TRIPS AND EXPERIENCES.

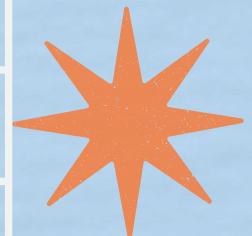
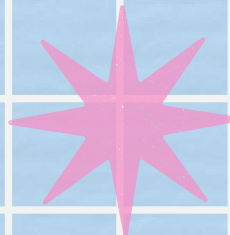
LIVE IT TO LEARN IT!

RECEPTION

RECEPTION WILL SOON BE HEADING TO THE LOCAL ALLOTMENTS, WHERE THEY WILL WORK WITH A GARDENER TO HELP PLANT PLANTS AND TREES. THIS HANDS-ON EXPERIENCE WILL INTRODUCE THEM TO THE BASICS OF GROWING, CARING FOR LIVING THINGS, AND UNDERSTANDING HOW PLANTS DEVELOP.

YEAR 1

YEAR 1 ARE LOOKING FORWARD TO VISITING THE LONDON MUSEUM OF WATER AND STEAM IN APRIL. DURING THE TRIP, THEY WILL EXPLORE THE FASCINATING WORLD OF STEAM POWER AND DISCOVER HOW WATER HAS PLAYED AN IMPORTANT ROLE IN LONDON'S HISTORY. CHILDREN WILL SEE REAL STEAM ENGINES AND LEARN HOW ENGINEERING AND TECHNOLOGY HELPED SHAPE THE CITY.



YEAR 2&3

YEAR 2 ARE EXCITED ABOUT THEIR UPCOMING TRIP TO MATHS WORLD IN MAY, WHERE THEY WILL TAKE PART IN INTERACTIVE ACTIVITIES THAT BRING MATHEMATICAL THINKING AND PROBLEM-SOLVING TO LIFE. YEAR 3 WILL ALSO BE VISITING MATHS WORLD IN JUNE, GIVING THEM THE OPPORTUNITY TO EXPLORE MATHS THROUGH PRACTICAL CHALLENGES AND ENGAGING GAMES.

LIVE IT TO
LEARN IT!

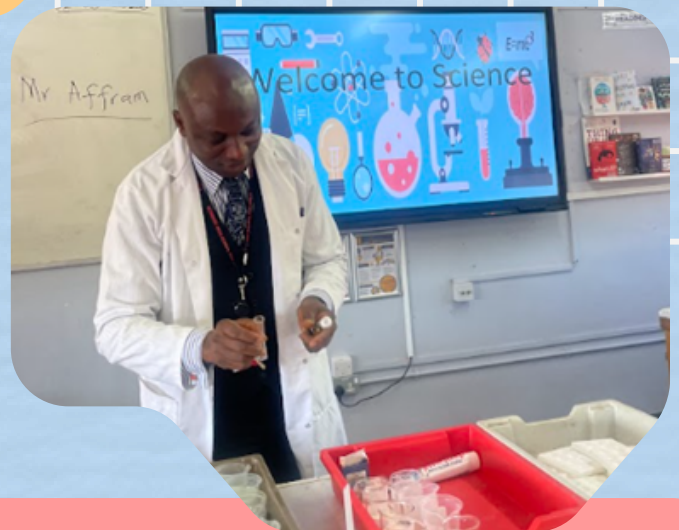
YEAR 4

YEAR 4 ARE HOPING TO TAKE A RIDE ON THE EMIRATES CABLE CAR (TBC). THIS TRIP WILL PROVIDE A FANTASTIC OPPORTUNITY TO THINK ABOUT ENGINEERING, TRANSPORT SYSTEMS, AND THE SCIENCE BEHIND HOW CABLE CARS WORK.



YEAR 5

YEAR 5 RECENTLY HAD THE FABULOUS OPPORTUNITY TO VISIT THE LONDON TRANSPORT MUSEUM, WHERE THEY EXPLORED HOW TRANSPORT IN LONDON HAS EVOLVED OVER TIME AND DISCOVERED THE ENGINEERING BEHIND BUSES, TRAINS AND UNDERGROUND SYSTEMS.



YEAR 6

YEAR 6 TOOK A TRIP TO NORBURY GIRLS HIGH SCHOOL, WHERE THEY PARTICIPATED IN A FUN CHEMISTRY AFTERNOON. WORKING WITH AMAZING SCIENCE TECHNICIANS AND A-LEVEL STUDENTS, THEY INVESTIGATED ACIDS AND ALKALIS, CARRYING OUT EXCITING PRACTICAL EXPERIMENTS AND EXPERIENCING WHAT SCIENCE LEARNING IS LIKE IN A SECONDARY SCHOOL LABORATORY. [CLICK ME](#)

THESE TRIPS HELP BRING STEM LEARNING TO LIFE, INSPIRING CURIOSITY AND SHOWING PUPILS HOW SCIENCE, TECHNOLOGY, ENGINEERING AND MATHS CONNECT TO THE REAL WORLD.

MAKING CONNECTIONS

Design & Technology

Exhibition



WE ROUNDED OFF AN AMAZING STEM WEEK BY SHOWCASING ALL OUR FABULOUS DT PROJECTS AT OUR EXHIBITION!



A HUGE THANK YOU TO ALL THE PARENTS AND CARERS WHO ATTENDED – WE HOPE YOU WERE AS IMPRESSED WITH THE CREATIVITY AND HARD WORK ON DISPLAY AS WE ARE!



IT WAS A FANTASTIC WEEK FULL OF CURIOSITY, CREATIVITY AND PROBLEM-SOLVING. THE CHILDREN SHOWED GREAT ENTHUSIASM AND DETERMINATION, AND IT WAS WONDERFUL TO SEE SO MANY BUDDING ENGINEERS, INVENTORS AND SCIENTISTS IN ACTION.

WHO KNOWS – PERHAPS SOME OF THEM WILL GO ON TO SHAPE THE FUTURE WITH THEIR IDEAS!

[CLICK ME](#)

