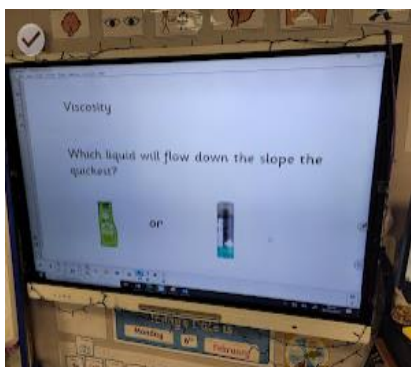


STEM Week in Beancross



In Primary 1 they tried the spaghetti and marshmallow challenge. Some of us managed to make shapes and some of us built a tower (but it fell down before we could get a picture!). They talked about how the higher they built the tower, the more the spaghetti started to bend or snap, so making a larger base might help.



Next they learned what viscosity was and how liquids come in different forms - some sticky, some change from gel to foam, some are thick and some are runny.



They tested 2 different types at a time, guessing and voting for what they thought would win. Water was the quickest, followed closely by olive oil!



They tried the skittles rainbow challenge and we amazed how quickly the colours ran from the sweets and created a beautiful pattern!



They built lots of Lego boats to see if they would float. Some floated well and others were too heavy and sank straight to the bottom of the water tray! They worked together to create the strongest boat for the Lego men.



The last experiment was growing a rainbow. They loved watching the colours blend and travel up the paper towel!



During STEM week P2 competed in a variety of activities promoting problem solving and team work. In Science they created elephant toothpaste and in Maths they completed a Salamander addition challenge. In Engineering they built a raft from a variety of materials and in Technology they created a pathway for Indi, the robot, to travel across using coloured mats. The children were extremely engaged and loved the activities.





This is what we P4 got up to during STEM week:

Balloon Kebabs—We soaked kebab sticks into different solutions including water and cooking oil and tried piercing them through balloons. We found that the sticks soaked in oil worked best.



Lego Building— We had to design and build a lego vehicle. Different types of vehicles included a snow mobile, an F1 car, segways, planes, cars, jet skis, a boat and a police van.



Spheros and Ollies—We created a maze for our robots to travel through and then tried scoring a goal by directing the robots. It was very fun and quite tricky.



Sphero Indi—We had a special visit from Mrs Paddon who introduced us to Indi. We loved creating paths for Indi to travel and learning that each colour was code for a different command.

Throughout STEM week P5 took part in lots of exciting activities. They held daily morning maths challenges. These involved them using their problem-solving skills and maths knowledge.

They also took part in a Makedo workshop, where they used old cardboard to build their own creations.



They enjoyed food technology lessons, learning and practising using different kitchen utensils safely.

They had a visit from the police and learned all about Internet Safety.



They also looked at the global goals. They discussed what they were, spoke through each of the goals and discussed how they linked into STEM week. From this they were given a challenge relating to 2 of the global goals. They had to work in groups and use their creativity to solve the problem.

They participated in a range of fun science experiments involving chemical reactions during a STEM themed afternoon. Some of these included a walking water science experiment and creating a French landmark from spaghetti and marshmallows/play-doh. They got a visit from Abbie at #Techwecan, who taught us how technology can be used in different industries including film and Art. We learned about CGI, animation, holograms and how to create their own Flip books on the iPads.



P6 learned about various problem solving strategies through a range of different tasks. They explored using 'Flip a Clip' to show the solution to one of the problems too.



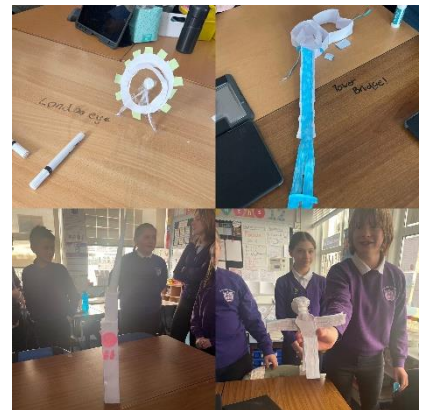
In Science, they undertook the "Dancing Raisins" experiment and learned how carbon dioxide helped with buoyancy.



P6 also took on a design challenge to create a house of the future for estate agents, Pacitti Jones.



P7 researched and built different UK landmarks using limited resources.



They took part in a paper plane challenge where they researched different paper planes and then built their own. They then had a competition to see which one would fly the furthest.

They also took part in the STEM afternoon with Victoria where they built winding mechanisms to create working drawbridges.

