CONGRATULATIONS!

You Completed: Exploring Engineering

You are STEM AZING

Be Curious

What is STEM? Science, Technology, Engineering & Maths! People in STEM are like real-life superheroes: using super STEM skills to improve the world.

In this workshop, we explored Engineering, but what do engineers do? Engineers design, build and innovate, using STEM skills to solve real-world problems.!

We were curious to explore an area of engineering we can all relate to - brilliant bridges! What forces act on a bridge? How can we make a bridge stable and strong?

Be Creative

Creativity is key STEM skill!

We practiced being creative with our design ideas and through our experiments to explore how to balance our Beaver's bridge!

It's not magic, it's engineering!

Be Courageous

Courage is a great attribute in STEM as we are pushing the boundaries of what is possible!

We were courageous in our bridge-building experiment learning about forces! We tested our prototype bridges to destruction (collapse), to see how strong they were.

We courageously engineered our Beaver's bridge to balance. Even if we couldn't do it first time, we kept trying because each time we don't get something right - it is an opportunity to learn something new!

Be STEMAZING

We learnt about forces and balancing linked to real-life examples of bridges.

Forces are the invisible pushes and pulls happening all around us in our universe. They can make things move, change an object's shape, and create balance.

Without essential forces like gravity to keep us grounded or friction to give us grip, life on Earth would be very different!!

Engineers use the science of forces to design all sorts of things we rely on in our lives - like using clever shapes to make a bridge strong, and balancing forces to make a bridge stable.

We need more young people to become our future STEM superheroes, like being an engineer, so they can design and build a better future for us all.

Did you know?
The famous Brooklyn Bridge was built in 1883, led by a clever engineer: Emily Roebling.

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