



STEMAZING Inspiration Academy

Be curious. Be creative. Be courageous. Be STEMAZING!

STEM is the combination of Science, Technology, Engineering and Maths. STEM actively promotes a young person's **curiosity, creativity** and **courage**. Not enough children have the opportunity to explore and engage in STEM activities. We want to change that!

The STEMAZING Inspiration Academy is a **FREE** programme of live online **STEM sessions** designed to engage and inspire children aged 7 - 9 years. Each week the children take part in a 45 minute activity over Zoom using only basic resources. All sessions are delivered by **women in STEM** to showcase female **role models** and support changing outdated perceptions of what a scientist, technologist or engineer looks like.



Engage

Sessions are live, interactive and designed to be simple and fun to do online.



Reward

Children create their own STEM masterpiece each week and receive electronic certificates.



Inspire

Focus on inspiration and impact. All sessions run by inspiring female STEM role models.





Inspiration Academy 4-week Programme

Starting Autumn 2024

WHAT WILL YOU DO?

4 x 45min STEM sessions will be delivered weekly in **November** and **December**. Each session will focus on a different science or engineering principle through a simple hands-on activity each child engages with, including structures, aerodynamics, energy and sustainability.

HOW DOES IT WORK?

All sessions will be delivered **remotely** using Zoom (or other platform). Some sessions may be **in-person** if we are able to match a role model that lives locally to your school. These sessions are best run in school time so the whole class can participate. You can agree the best time to run the live sessions with your assigned STEMAZINGWomen role model in advance.

WHAT WILL YOU NEED?

For **FREE** - we will send you a STEMKit including the key resources needed for the 4 STEM experiments for each class of 30 children taking part. These will be simple things like cardboard tubes, balloons, and skewers. Your school will need to provide paper, colouring pens, scissors, and glue sticks.

GET INVOLVED

To register your school to take part, visit www.stemazing.co.uk/inspiration-academy. Registration for schools will open in **June 2024**, selection in **August** and notification in **September**, ready to plan session delivery times to begin in **November**. Please note that all schools who apply cannot be selected due to high demand for sessions.

"Our class had the most STEMAZING time. We had fantastic opportunities for STEM hands on learning that engaged and inspired us."

- White Woman Lane Junior -

"A thoroughly enjoyable experience for the pupils and teachers."

- St Bernadette's School -

"The children really engaged with the sessions and looked forward to projects each week. They have learnt how important STEM is to our world."

- Thomas Buxton Primary School -

WWW.STEMAZING.CO.UK/INSPIRATION-ACADEMY



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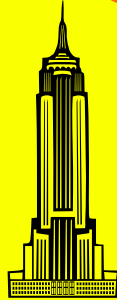
STEMAZINGKids

Where every child is engaged and connects learning to life through hands-on, interactive STEM fun!



STEM 1 - STEMAZING Structures

Exploring the importance of shape in design. This is important in the world around us as different shapes have different properties which can do different things for us.



Groups of 4 need:

- 8 x A4 paper
- Pile of books

We will provide:

- Masking tape

STEM 2 - Amazing Aerodynamics

Exploring how the air interacts with everything around us by making different designs of spinners and learning about amazing aerodynamics!



Every child needs:

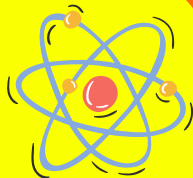
- Spinners template
- Colouring pens
- Scissors

We will provide:

- Bluetack

STEM 3 - Energy Explorers

Engineers and scientists can harness energy to improve our lives. Here we do a simple experiment to explore energy and energy transfer.



Every child needs:

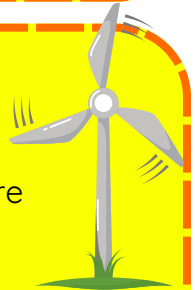
- 1/2 A4 paper
- Colouring pens
- Glue stick
- Scissors

We will provide:

- Cardboard tube
- Balloon
- Masking tape
- Projectile

STEM 4 - Planet Protectors

People working in STEM innovate and problem-solve. In this session we make wind turbines and explore how we can all be STEM Superheroes and save the world.



Every child needs:

- Turbine template
- Colouring pens
- Scissors

We will provide:

- Masking tape
- 2 wooden skewers
- Bluetack
- 1/4 straw

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