Year 3/4 pupils – The Great Science Rescue

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 28th January 2027	**9.30am – 3.00pm**	**Braeside Education Centre**	**£65**	**16**	**Science AGAT**

Course details

THE GREAT SCIENCE RESCUE: Emergency! Scientists Needed…
Incoming Emergency Transmission…
🚨 **URGENT MESSAGE FROM SCIENCE RESCUE HEADQUARTERS** 🚨

Scientists around the world are facing a series of mysterious emergencies — and they need the help of some brilliant young scientists! The Science Rescue Team has been called in to investigate. But there is a problem… there simply isn't enough time to solve every mystery using ordinary science. We need teams of clever, curious and creative scientists to step up and save the day!

For one exciting day, pupils will become:
🔍 **Science Detectives**
🧪 **Experimental Scientists**
📐 **Design Engineers**
🧠 **Scientific Problem Solvers**

Working in mission teams, they will:
• Investigate mysterious rocks and use evidence to identify them
• Design and test an insulated container to rescue a melting ice cube
• Explore the invisible forces of magnets and create a magnetic rescue machine
• Investigate light and shadows to solve a secret communication challenge
• Make predictions, conduct fair tests and record scientific observations
• Evaluate their results and improve their designs
• Work together to solve scientific problems against the clock

Every investigation will reveal new clues. Every experiment will bring them closer to solving the mystery. But can they become the **Ultimate Science Rescue Team?**

Guidance criteria for identifying participants:

- Be keen and enthusiastic scientists
- Enjoy asking questions and being curious about how the world works
- Enjoy thinking logically, investigating and solving problems
- Enjoy working independently and as part of a team
- Be willing to make predictions, test ideas and learn from unexpected results
- Demonstrate enthusiasm for practical, hands-on learning

As a result of attending the course you will have:

- Explore a range of scientific concepts through practical, hands-on investigations
- Develop their understanding of scientific enquiry, including making predictions, carrying out fair tests, observing and recording results
- Develop their ability to use evidence to explain scientific ideas and draw conclusions
- Develop problem-solving, reasoning and critical-thinking skills
- Apply scientific knowledge to practical challenges and engineering problems
- Develop confidence in working collaboratively and communicating scientific ideas
- Develop an excitement about science, STEM subjects and the possibilities of future scientific careers

Course Tutor

Kathie Cooke is a primary school teacher with a BA (Hons) from UWE with a Science specialism. She has over 14 years' experience, 11 of which were in an outstanding school, Level 5 TEFL qualification, 6 years private tutoring experience and drama and vocal leadership qualifications. She is passionate about teaching and strongly believes in making education immersive and engaging for young learners.Kathie has a particular interest in the performing arts; acting in and directing a variety of shows, as well as a keen interest in science, mathematics and sustainability. She particularly enjoys creating immersive learning experiences which encourage children to investigate, question, problem solve and apply their knowledge in practical ways.

Students should bring:

- Pens, pencils
- Notebook
- Water bottle
- Clothes suitable for outdoor break
- A willingness to get involved, experiment and **think like a scientist!**

Lunch and refreshments are provided.
School uniform is not required. No mobile phones.