

SEE STEM

IN ACTION

Dynamic, engaging and exhilarating workshops to inspire pupils with STEM

Our Army STEM experts are delighted to offer a range of free STEM workshops for pupils aged 11-14 to help inspire the next generation. On-demand, curriculum aligned and very hands-on, all workshops have been specifically developed to spark and maintain your pupils' interest in STEM as they begin to consider their future subject and career options. **So why wait?**

FREE

**CURRICULUM
ALIGNED**

HANDS-ON



OPERATION FRONTLINE SCIENCE

Put your STEM skills to the test and design state-of-the-art kit to keep our soldiers at the top of their game.



OPERATION ROCKET CAR

Engineer your record breaker with our Rocket Car challenge.



LIVE SOLDIER Q&A

Ask one of our soldiers your burning questions about how they utilise STEM in their career.

INTERESTED?

View our on-demand workshops now at stemview.co.uk
or email bookaworkshop@armystem.co.uk to book a live Q&A session now.



OPERATION FRONTLINE SCIENCE

ACTIVITY LENGTH:

Approx 45 minutes

IDEAL AGE GROUP:

11-14

The British Army needs the latest kit and equipment in order to operate effectively in some of the toughest conditions in the world. We've created three curriculum-aligned Frontline Science challenges to encourage pupils to apply the principles of science in thinking creatively to design new kit and equipment for the Army to use on its future operations.

Choose from:

- **Designing an Army Cooling Vest Challenge**
- **Designing an Army Helmet Challenge**
- **Designing a Healthy & Nutritious Snack for Soldiers Challenge**

LIFE SKILLS DEVELOPED:

Critical Thinking, Effective Communication



OPERATION ROCKET CAR

ACTIVITY LENGTH:

Approx 45 minutes

IDEAL AGE GROUP:

11-14

Set your pupils on an engineering adventure of discovery, where they will explore the incredible possibilities of breaking records – using STEM!

Suitable for all abilities, pupils will learn about rocket cars, their land speed records and the foundational STEM principles behind it before moving on to the challenge of working in teams to design their own rocket cars!

To be successful, pupils must apply the STEM fundamentals of weight and aerodynamics to their own design. They will be able to record real-time data such as their car's speed and acceleration for analysis in their challenge debrief.

STEM SKILLS APPLIED:

Engineering, Technology

LIFE SKILLS DEVELOPED:

Team Work, Critical Thinking, Perseverance



LIVE SOLDIER Q&A

ACTIVITY LENGTH:

60 minutes

IDEAL AGE GROUP:

11-14

Following on from the virtual workshops, students can have the chance to speak to one of our soldiers about their experiences of STEM being used in the Army, discuss the final products that they've designed or get advice on a STEM career within the British Army.

Our on-demand workshops are available to access at any time on our website, but if you would like to accompany these with a live Q&A session with one of our soldiers, please register your interest and we will arrange a booking at your earliest convenience.

LIFE SKILLS DEVELOPED:

Critical Thinking, Effective Communication