

ROAD TO RIAT STEM CHALLENGE - SPACE

Get ready for blast off! Road to RIAT is back with a stellar opportunity for 500 state primary schools to dive into the thrilling universe of STEM. This extraordinary, free programme, in partnership with the RAF Charitable Trust, and the RAF invites primary students currently in Year 5 to join an unforgettable journey.

The STEM Challenge is a full-day, virtual workshop and competition that brings the excitement of space exploration right into your classroom. With incredible prizes up for grabs, the countdown to innovation begins now!

About the STEM Challenge Day

The day launches with The Space Challenge, where students will team up to design, build, and test a rocket capable of launching a satellite into space. The excitement is palpable as they channel their inner aerospace engineers and reach for the stars!

In the afternoon, the mission continues with The Sustainability of Aerospace. Students will envision the future of eco-friendly aviation, crafting posters to present their groundbreaking ideas.

The competition culminates as schools submit their top sustainable aircraft designs for a chance to win fabulous prizes, including £100, two LEGO® Education SPIKE™ Prime kits (worth £700), and winners will get exclusive access to the Royal International Air Tattoo (RIAT) in July 2025!

On the day winners will also win one exclusive robotics STEM Day for their school, provided by the RAF.

This event includes the following:

- Build and test a rocket for a thrilling space mission
- Explore the wonders of gravity, motion, and acceleration
- Discover the exciting role of an aerospace engineer
- Apply scientific methods to test and refine rockets
- Enhance teamwork, listening, and problem-solving skills



WHEN

05 Mar - 05 Mar 2025

Start time: 09:30 hrs

Finish time: 15:00 hrs



WHERE

Virtual delivery



COST

Fully funded