

## ROAD TO RIAT STEM CHALLENGE - SPACE

Road to RIAT returns! This fantastic, free programme gives 300 state primary schools the opportunity to explore the exciting world of STEM. Generously funded by the RAF Charitable Trust, in partnership with the RAF and supported by Accenture.

Students in Year 5-6 (or equivalent) will have the opportunity to get involved in numerous activities throughout the academic year starting with the STEM Challenge - an exciting full-day workshop and competition delivered virtually to classrooms across the UK – with some fantastic prizes on offer for the competition winners!

### About the STEM Challenge Day

In the morning, students will have the chance to get hands-on with STEM and unleash their creativity as they take part in an exciting activity – The Space Challenge. Working in teams, students will design, build and test a rocket for launching a satellite into space.

Then in the afternoon, students will take part in a brand-new activity – The Sustainability of Aerospace – challenging students to design a sustainable aircraft of the future, before developing a poster to present their ideas.

Each school will then be able to submit their best sustainable aircraft design to our competition, for the chance to win a range of exciting prizes, including £100, two LEGO® Education SPIKE™ Prime kits and the opportunity to attend the Royal International Air Tattoo (RIAT) in July 2023!

### This event includes the following:

- Build and test a rocket
- Learn about gravity, motion, and acceleration
- Learn what an aerospace engineer does
- Using a scientific method to test the rocket
- Improve teamwork, listening, and problem-solving skills



## WHEN

22 Nov - 22 Nov 2022

Start time: 09:30 hrs

Finish time: 15:00 hrs



## WHERE

Virtual delivery



## COST

Fully funded