

## UKROC FAQs

### **What makes the rockets fly?**

Model Rockets fly because they are propelled by a motor - usually solid fuel similar to a firework. They are stable in flight because of fins and weight distribution.

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Model rockets are commonly made from card tube, light wood such as balsa and plastic, although in recent times more and more parts are 3D printed.

### **How high can they go?**

The target altitude for UKROC teams in 2025 is 720 feet, with a flight duration of 41 – 44 seconds. The full rules and mission are available on the UKROC website.

### **Do I get support?**

Yes, the UKROC website is full of helpful documents. We also host webinars to help teams and our 3 x rocketeers are on hand to mentor teams.

### **What is the age limit for competing in UKROC?**

Applicants must be aged between 11 and 18 years old.

### **What are the costs associated with UKROC?**

To enter the competition is FREE. But you will need to cover the costs to build your rocket – this should be no more than £200-£400.

### **How many people can be in a team?**

We would recommend teams of around 4 – 5 students, however teams can be made up of 3 to 6 members.

### **How many teams can enter from one school?**

There is no limit on the number of teams that can enter from one school/youth group however; only a maximum of three teams can enter the National Final, from one school/youth group.

### **Is there a prize for the winning team?**

Yes, not only does the winning team get to attend the International Finals but there are also multiple prizes available.

### **Who can attend the regional events and UK National Finals?**

We want to encourage parent/ family engagement within the competition as we believe your parents and family can help motivate and support you throughout the different competition stages. So, if you would like your parents or a brother/sister to support you at the regional events or the UK National Final, you will need to email [ukroc@adsgroup.org.uk](mailto:ukroc@adsgroup.org.uk) to let us know for registration purposes.

### **What if I can't attend a regional or national event?**

You do need to be able to attend the regional and national events in order to take part in UKROC.

### **Can I test my rocket before the regional event?**

Yes, it is highly recommended to test your rockets whenever possible to ensure you receive the best result at the regional event; however you will need to obtain BMFA insurance to do this. UKROC can try to help you source a site to do this and also recommend rocket clubs in the UK and NI.