Model Rocketry in the Classroom

ESTES education

FAQs:

1

Is model rocketry safe for students?
YES! When you follow the National Association of Rocketry (NAR) Safety Code and use age-appropriate rockets, model rocketry is a safe and incredibly engaging STEM activity. Estes rockets are specifically designed with classroom use and user safety as our top priorities.

2

Where can I launch rockets with students?
Look for an open outdoor space like a soccer field or park. Remember, larger engines require larger launch areas. Always be sure to:

- Get approval from your school or local authorities.
- Check the weather – no launches in high winds (over 20 mph) or when visibility is poor.
- Follow all local regulations and the NAR Safety Code.

3

Do I need certification to launch rockets?
No certification is required for model rockets, which are perfect for K–12 education.

Still have questions? We're here to support you! Contact us at educator@estesrockets.com

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FAQs:

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How does model rocketry support STEM standards?

All Estes Education content is designed with 21st-century skills in mind and aligns with Common Core and/or Next Generation Science Standards (NGSS). Model rocketry naturally integrates topics like:

- Engineering Design (ETS): Build, test, and improve rocket designs.
- Physical Science (PS): Explore forces, motion, and energy in a dynamic way.
- Earth & Space Science (ESS): Connect to real-world space exploration applications.

5

Do students need to build the rockets?

Not necessarily! If time is tight, choose our easy-to-build or ready-to-fly kits. For a more in-depth learning experience, older students can build and customize their own rockets – a fantastic way to explore engineering, design principles, and problem-solving skills.

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