

# STRAW ROCKETS

## One Hour Mini Workshop

### A Hands on STEM Experiment!

Students will work collaboratively to learn about rockets and how they fly through the air! This interdisciplinary STEM activity will get students excited about learning and having fun while doing science!

MC2STEM's Mobile Fab Lab's One Hour Mini Workshops are a great way to get your students excited about science and a simple introduction to Making and using Fabrication in the classroom! A member of our Fab Team will come to your classroom with all the necessary supplies to get your kids thinking and tinkering!

Each workshop is designed to be done in one hour with approximately 25 students, please contact the MFL team if you have any questions or would like to discuss a longer workshop or a full week visit!

### *How does this Activity Work?*

This activity starts with a non-fiction reading assignment you can do with your students or assign as homework. The readings come with comprehension questions and discussion questions!

Once the Fab Team arrives in your class students will have a short discussion about rockets before getting started building! Students will work in small groups to build a rocket out of plastic straws, card stock, masking tape and a pencil eraser. Each of these materials represents a variable- how long should the straw be? How many fins should we put on the rocket? Should the eraser be pointy or round? After students build their rockets we will shoot them off to see which went the farthest!

After the experiment students will record the results and have a discussion about what we learned about the parts of the rocket and what we would do differently next time. There is also a reflection worksheet you can assign your students to do after the Fab Team has left or as homework.

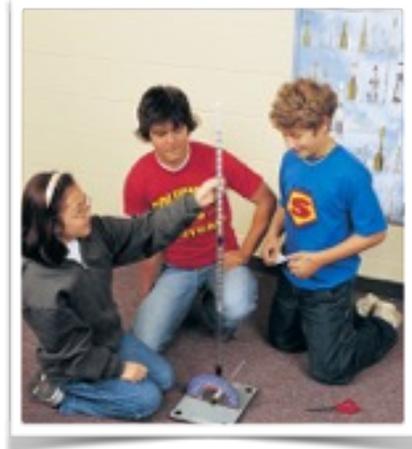


### Perfect for k-8

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This activity can be leveled for students of all ages!

### Interdisciplinary Skills

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Students will exercise the following skills in this workshop: Using the Scientific Method, Measurement, Fine Motor Skills, Reading Non-Fiction



**Major Skill:** Exploring the scientific method!

[CleMobileFabLab.com](http://CleMobileFabLab.com)