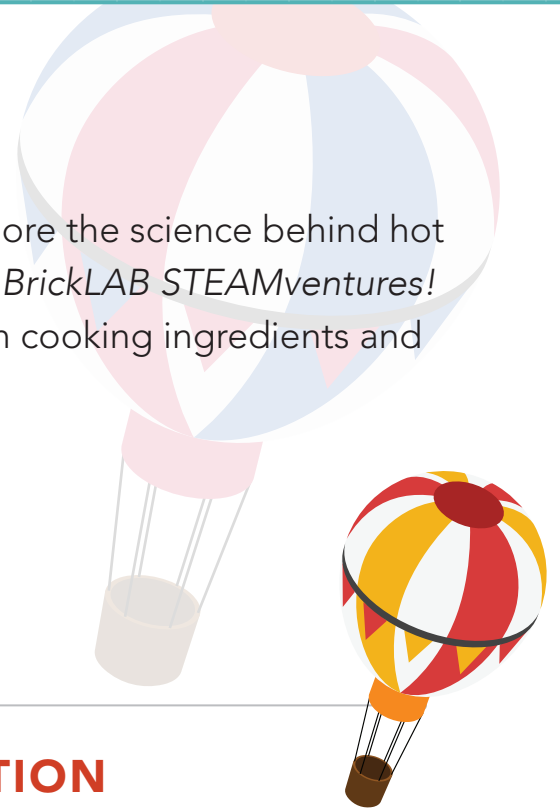




Hot Air Balloon Experiment

Gather some supplies from your kitchen and explore the science behind hot air balloon flight with this experiment taken from *BrickLAB STEAMventures!* Create a chemical reaction between two common cooking ingredients and watch it inflate a balloon.



HANDS-ON STEM EDUCATION

For over 30 years, PCS Edventures has inspired students to develop a passion for Science, Technology, Engineering and Mathematics (STEM), focusing our efforts on making learning and discovery a fun and interactive process for grades K-12.

- Classroom
- After-School
- Home Learning



LAB



Experiment

Watch the balloon inflate on its own!

What You Need:

Find these objects in your kitchen.

Ask a favorite grown-up to be your lab assistant!

- 💡 White vinegar
- 💡 An empty plastic water bottle
- 💡 A balloon
- 💡 Baking soda
- 💡 A funnel - You can make your own with paper!
- 💡 A spoon



1

Stretch the balloon so it is ready to inflate!



2

Put the balloon on the end of the funnel.



3

Add two spoonfuls of baking soda to the funnel.
Push all of the baking soda into the balloon.



4

Fill the water bottle with about 2 inches of vinegar.



5

Stretch the opening of the balloon around the top of the bottle.



6

Keep the balloon to the side of the bottle. Careful not to let any baking soda fall out of the balloon yet!



7

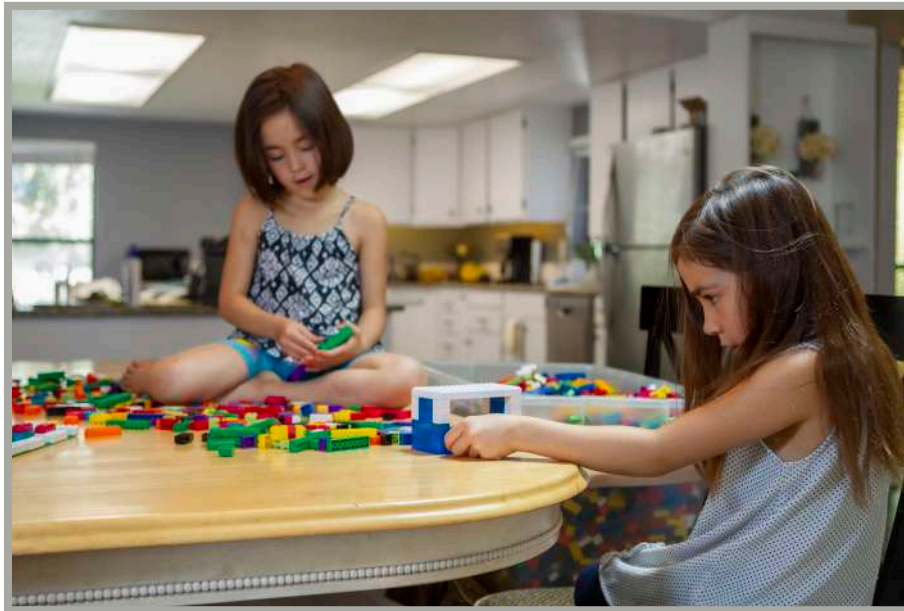
Lift up the balloon to start the experiment.



8

Watch the chemical reaction! The mixture of baking soda and vinegar release a gas that inflates the balloon.

Enhance any learning environment with the hands-on builds and experiments in BrickLAB STEAMventures!



BrickLAB STEAMventures enhances K-1st or 2nd-3rd grade learning no matter the environment it's introduced in! Whether it be at home, in the classroom, after school or through a hybrid setting, this brand-new learning solution is helping students adjust their sails to the changing educational tides as they navigate towards STEAM enrichment.

BrickLAB STEAMventures is individually kitted to keep students safe and provide flexibility to educators. All curriculum is student-driven and designed to work with or without technology. Each new issue includes activities that support math and English language arts learning, all while building STEAM skills like creativity and problem-solving. To top it off, all activities are designed to be engaging and accessible to students working in everything from a remote learning environment to a large classroom.



For more information, visit: <https://edventures.com/collections>
or contact a STEM Program Specialist at (800) 429-3110

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