

ENDEAVOUR ELEMENTARY PTSA

STEM + FAMILIES







SCIENCE FESTIVAL

Thanks to a grant from the National PTA and Bayer Fund, Endeavour Elementary PTSA invites you to explore STEM projects at home! The Science Festival keeps one of our school traditions intact and gives students and their families an outlet to explore and learn together, offline. Students and families can do hands-on activities like launching a rocket and making Martian jelly.

Parent and student guides are enclosed as well as materials to complete the Alka Rockets activity. Also included is an extra effervescent tablet and food coloring to assist making the Lava Lamp. Materials for the remaining two projects can be found around the house. If needed, additional guides can be downloaded from the Endeavour PTSA website.

Materials List

<p>Alka Rockets</p> 	<ul style="list-style-type: none"> • Empty film canister (provided) • Effervescent antacid tablets (provided) • Glass of Water (from home)
<p>Lava Lamp</p> 	<ul style="list-style-type: none"> • Food coloring (provided) • Effervescent antacid tablets (provided) • Water • A clear plastic bottle with cap • Vegetable oil
<p>Martian Jelly</p> 	<ul style="list-style-type: none"> • 1 tablespoon grape jelly • 1/8 teaspoon baking soda (not baking powder) • 1 tablespoon vinegar • 1/2 cup of warm water
<p>Sticky Icky</p> 	<ul style="list-style-type: none"> • White school glue • Food coloring (various colors) • Borax (found in the laundry aisle) • Warm tap water • Safety glasses

Program Goals

HAVE FUN! We hope students and their families enjoy these activities and they help students make real-world connections with STEM principles like problem-solving and critical thinking through hands on exploration.

*** IMPORTANT SAFETY REMINDER ***

ALWAYS PRACTICE SCIENCE SAFELY! Remember to read through directions first, before starting activities. Please remember to use safety glasses and wear appropriate clothing when necessary. Links to how to videos are included in the parent guide for each activity.