

STEM NEWS

Monthly Newsletter

STEM stands for Science, Technology Engineering, and Mathematics. STEM focuses on collaboration, communication, research, problem-solving, critical thinking, and creativity skills that students need to be successful.

Elementary schools focus on awareness of the STEM fields and occupations. The initial step provides standards-based, inquiry-based, and real-world problem-based learning, connecting all four of the STEM subjects.



How to Build a Hydroponic System Out of Water Bottles

Ms. Faison's and Mr. Shepherd's kindergarten class are building their hydroponic systems using a water bottle. Hydroponic systems allow you to grow plants without the use of soil, instead, they are using liquid solutions to provide the important minerals and other nutrients that the plants need to grow and thrive.



HUMPHRIES'TECH TEAM

by Tech Team

Our tech team has launched its first student-produced morning video announcements. You can watch our morning announcements on our STEM Youtube Channel. Every morning the tech team will spread information and news throughout the building, about what is happening at the Home of the Roadrunners.



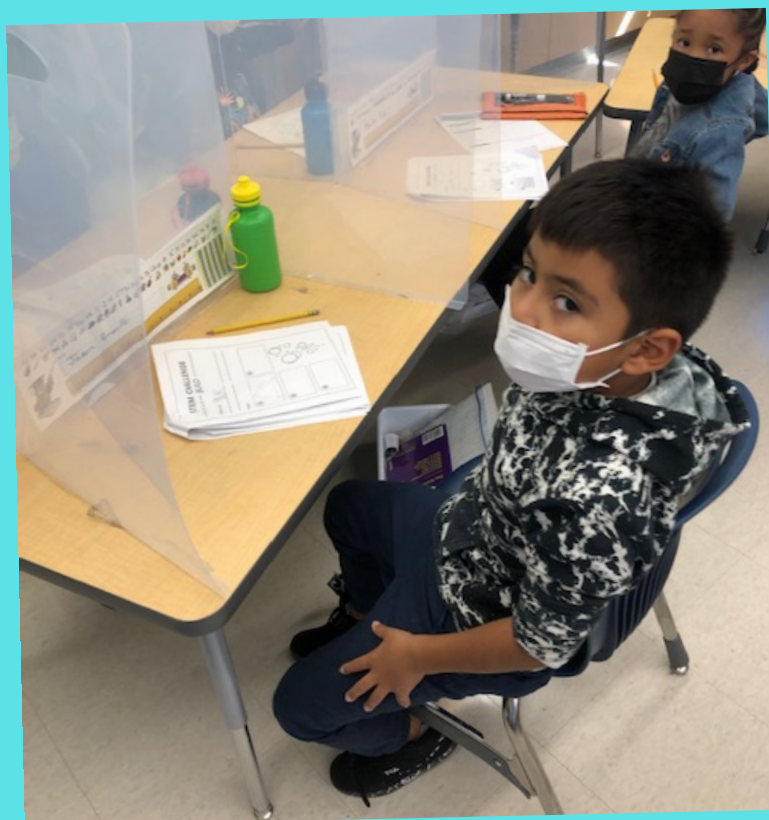
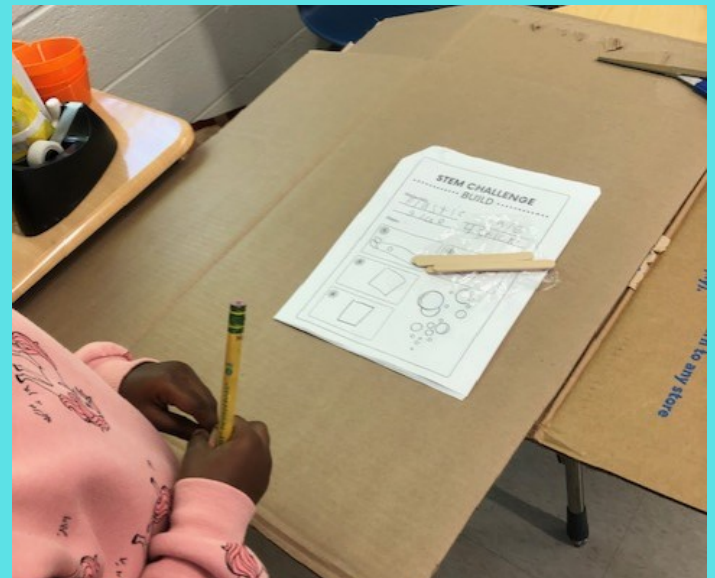
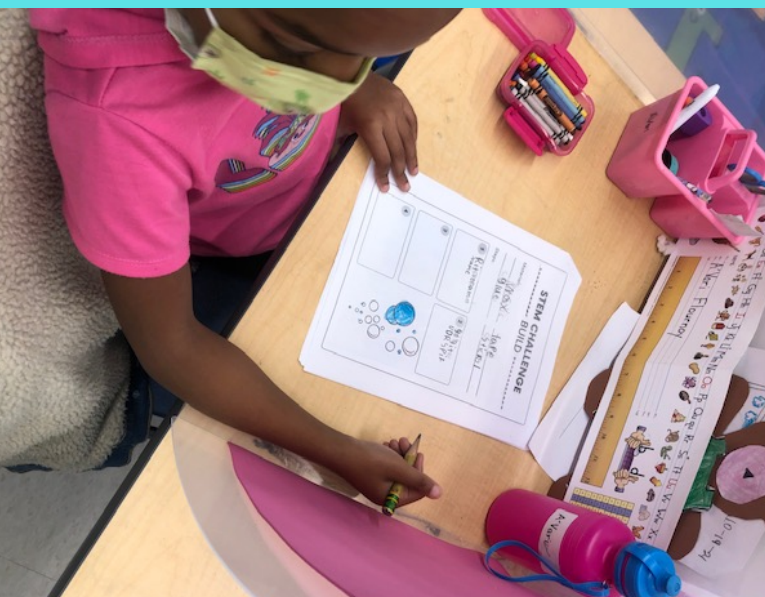
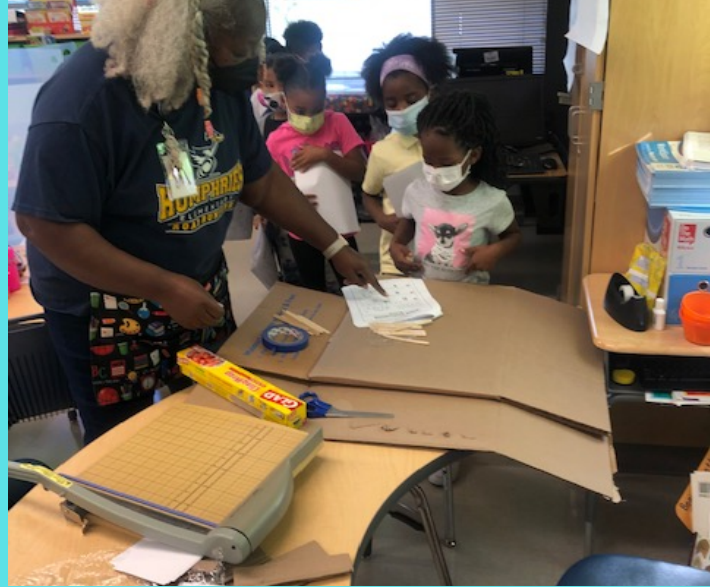
STEM CHALLENGE

by Pricilla Fowler

Making Shade

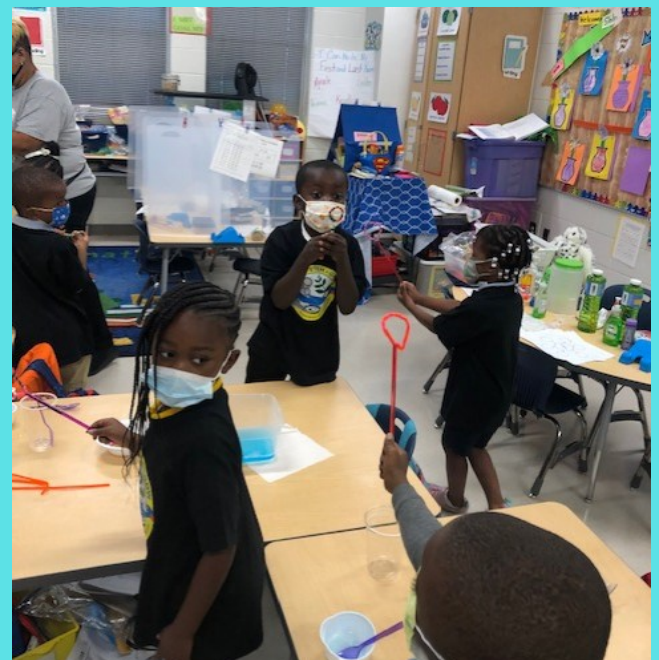
Earth Science

The first-grade students had to build something that blocks light to make shade for two toys! The students designed a plan and selected what materials they wanted to create that obstruct light and make shade. The students were highly engaged and eager to start building their product.



STEM Challenge

The kindergarten classes had to create a sturdy bubble wand! The students did a great job making their bubble wand to blow BIG bubbles.



STEM Book of the Month

by Oreta Hinamon Campbell

My Light by Molly Bang

Although the book, "My Light" is about the many ways that the sun's energy affects the earth, it contains so much information that it is a book that all grades can learn from.

As the author and illustrator, Molly Bang, traces the flow of the sun's energy, our fourth grade students can learn about the water cycle, the creation of oil and gas, and how the sun's energy is converted to food sources to drive the food web. Our fifth grade students learn how fossil fuels and water power are used to create electricity.

Third and first grade students will learn about the sun as a source of both light and heat. Kindergarten students will learn how the sun is part of the daylight sky. But the

book is not only informative but has dazzling and clever illustrations that convey information in an attractive and enjoyable way and can be used as a springboard to far more advanced concepts such as atomic structure and how light manages to be both a wave and a particle.

