

STEAM DECEMBER NEWSLETTER

This months letter is E for Engineering

Happy December, TLJA Families,

Engineering helps our scholars become creative problem-solvers who aren't afraid to try new ideas. Through hands-on activities, they learn how to design, test, and improve their engineering skills that builds resilience, teamwork, and confidence. Engineering also encourages students to think critically about how things work in the world around them. These experiences not only support success in math and science, but also prepare our scholars for future careers in a rapidly changing, technology-driven world.

Ms. Bennett

KINDER

In engineering this month, our kindergarten scholars will explore how things are built and practice solving problems like real engineers. They'll study pictures of bridges and create their own Lego bridge over "water" after creating a blue print. Scholars will then focus on completing Lego task cards to strengthen creativity and spatial thinking

SECOND

In engineering this month, our second graders will take on a shelter-building challenge, where they'll design and construct a sturdy structure that can withstand a "rainstorm" using a variety of classroom materials using the Engineering Design Process. This hands-on project encourages creativity, problem-solving, and real-world engineering thinking.

FOURTH

In engineering this month, our fourth graders will be continuing their Cereal Box Gingerbread houses.

FIRST

In engineering this month, our first graders will complete various engineering challenges that encourage creative thinking, build problem-solving skills, and help them practice designing blueprints and testing their own ideas.

THIRD

In engineering this month, our third graders will be studying pictures of bridges around Fort Wayne and create their own Arch, Beam, or Truss bridge with straws using the Engineering Design Process.

FIFTH

In engineering this month, our fifth graders will be designing and building protective structures for our annual Egg Drop Challenge, using creativity, critical thinking, and the Engineering Design Process to keep their egg safe during a big fall.

