



Dear Jamison Families,

Year two of QUEST is going to be very exciting. Every grade level is working on understanding the engineering design process. Students are learning the steps that engineers go through when taking on a challenge. In addition, all students are learning that grit and determination are critical when taking on a problem of any kind. Our theme for this first making period is "It's the perfect first try!" My goal is for students to understand that mistakes are necessary when learning something new. Failures are really just our first attempts in learning.

Grade Level	Unit of Study	Engineering Challenge
First Grade	Humpty Dumpty-	Students will design a safety seat that will keep Humpty Dumpty on the wall.
Second Grade	Measuring the Wind	Students are challenged to design a wind anemometer that will measure the wind.
Third Grade	Lego WeDo- Coding Unit	Students are challenged to create a computer program for a Lego animal figure.
Fourth Grade	QUEST TV- producing a newscast TV segment	Students teams will learn the basics of TV journalism. In addition, students will produce a TV segment that shares a newsworthy story.
Fifth Grade	Squishy Circuits	Students will explore conductivity by creating working circuits using a Squishy Circuit kit. Students will also follow recipes to create two different types of dough, then test and analyze the different properties of the dough.
Sixth Grade	Oil Pollution	Student teams will work collaboratively to quickly and effectively devise a clean-up plan to reduce a negative impact on the community due to an oil spill.

I also wanted to enlist your **HELP!** Many of the units require household items in their design process. Please consider sending in the items listed below. I truly appreciate any help you can offer. Thank you!

Mrs. Sellen



Household Materials - All of those things that you don't want to keep but you hate to throw away!	Recyclables - Right out of the recycle bin! Please rinse out plastic items before sending them in.	Outdated/Broken Toys, Gadgets, and Electronics - We'll be taking things apart and seeing how they work
<ul style="list-style-type: none"> Buttons and beads Material, felt scraps Game pieces Wood scraps Thread bobbins Pipe cleaners Used CDs Packing "popcorn" Corks Plastic lids 	<ul style="list-style-type: none"> Tissue boxes Oatmeal boxes Egg cartons Paper Towel and toilet paper tubes Plastic containers Cardboard Cereal boxes Foam Newspaper 	<ul style="list-style-type: none"> Toaster Wind-up toys Small appliances Any battery operated toy



Growing Leaders one challenge at a time!

