



JW YORK presents our annual: "Engineering Fair"

February 22, 2019

Students and Parents of Future Engineers:

We are looking for future engineers! **Students of all grades can participate in the Engineering Fair for the 2019 school year.** All who participate and turn in the written portion plus their prototype will attend a party upon completion. In order for child to be eligible they need to complete the task on the back of the sheet.

Once you've reviewed the project please sign the intent and return to Ms. O by Jan. 25th. (**I order medals/trophies so it's important to have an accurate number of attendees!)

Engineers who are entering York's Engineering Fair, need to have their assignments completed by Feb. 22, 2019.

The Engineering Fair judging will be on Friday, February 22, 2019 in the gym or media center.

Your projects should be brought to school between 8:00 am and 9:15 am. Remember **YOUR NAME SHOULD NOT BE VISIBLE ON THE FRONT OF THE DISPLAY OR ON THE FRONT OF YOUR JOURNAL.** Instead, place your name on the back of your project and journal. Judges will be here on the 22nd to listen to your child present.

Please return the bottom portion of this slip **if you are going to participate in the Engineering Fair.** All participants will be invited to a celebration once the fair is completed.

Sincerely,

Ms. Osterhoff

mosterhoff@wcpss.net

Student Name: _____ Email Address: _____

Phone Number: () _____ - _____

Homeroom Teacher: _____ Grade: _____

Engineering Fair Project RULES:

****All students will be expected to create an excel sheet or form with their budget listed.**

****They will also need a google doc/word doc (or journal) describing how they went through the engineering design process and the improvements they made. Entries should NOT all be made on one day. There should be multiple entries and changes under the improvements.**

This year the focus for our Engineering Fair this year is **ROLLER COASTERS.**

All participants will need to create a roller coaster prototype. Each participant will need a “working” ride. Students may use recycled material, legos, metal, plastic, or whatever they like. They may not use preset materials or kits (Such as a K’Nex roller coaster kit).

Constraints:

1. Rides must include a cart or item that rolls through the roller coaster.
2. All participants must create a least one loop or drop.
3. Rides must include safety features (rails, seatbelts, etc.)

All costs for the engineering fair project must be under \$20. That includes all parts and pieces. Typically, we like for it to be made as cheap as possible. Good luck and have fun!

