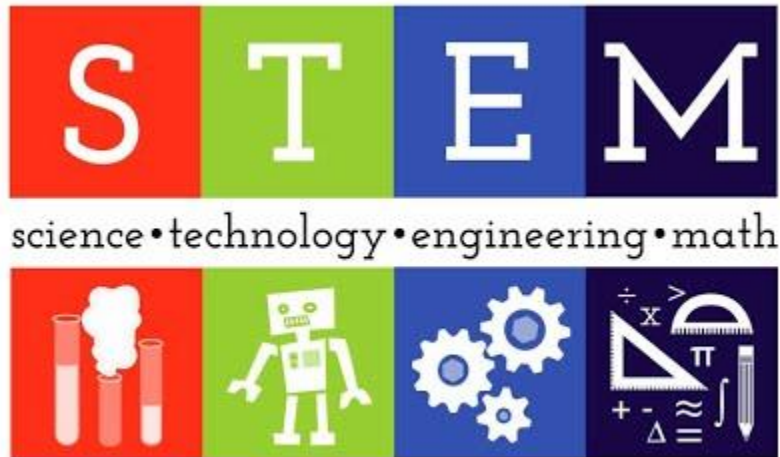


Woodridge STEM Night Invitation & Details



**Thursday, December 12, 2019
6-7:30 PM
Woodridge Elementary Café & Gym**

All K-5 families are invited to attend and engage in this year's Woodridge's STEM night.

This is a fun, engaging, and family-friendly event focused on increasing our K-5 students' engagement in Science, Technology, Engineering and Math. This year's THEME is *COMPUTER SCIENCE FOR GOOD* and students are encouraged to be innovative and engage in the Engineering Design Process, as it connects to the Next Generation Science Standards (NGSS).

What can you expect?

- K-5 *optional* invitation to engage in the Engineering Design Process to create an invention or be innovative (See attachments)
- Robotics and coding opportunities
- 3-D Printing Display and PRIZES!
- Resources for home
- Families collaborating to complete Mini Unplugged and Design Challenges!
- Outside agencies being invited (e.g. Local High School Robotics Teams, Cedar River Water Shed, City of Bellevue Stream Team, Mercer Slough, UW Engineering Department, and more)

K-5 Engineering Design & Invention Guidelines

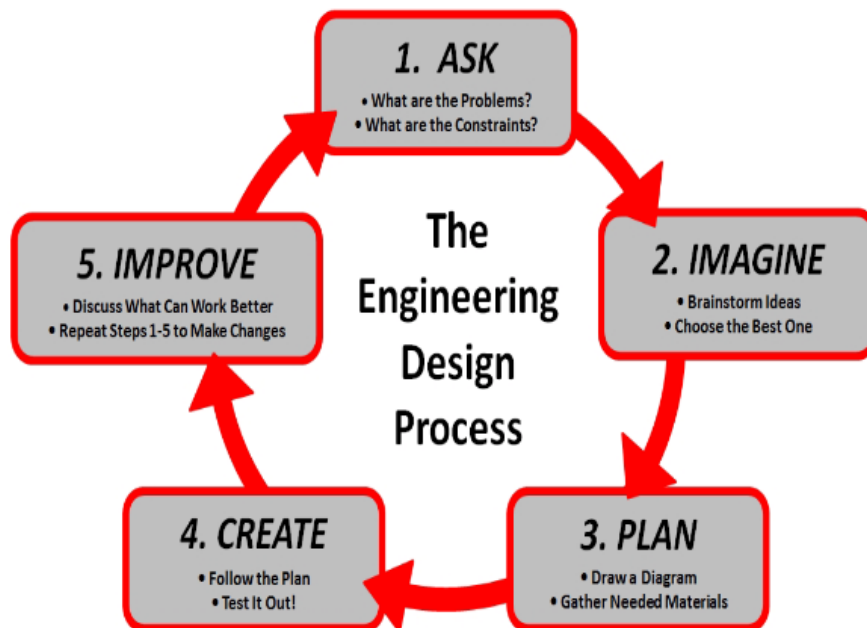
To engage students in the recently adopted Next Generation Science Standard (NGSS, <http://www.nextgenscience.org/get-to-know>), we continue to shift the emphasis of our traditional science board experiments to reflect the Engineering Design Process (EDP) for our **K-5 students** and encourage innovation around promoting good in this world.

Examples of an inspiration or design project may include:

- Identifying a problem to try and solve
- Designing a new toy
- Improving a toy
- Create a recipe
- Designing a new tool
- Review the Engineering Design Process (graphic below) to generate inspiration and to guide your process

NEXT STEPS:

1. (COMING HOME SOON) Use the 18 in x 24 in construction paper provided to showcase your inspiration on December 12 from 6-7:30 PM
2. Click/visit <http://www.signupgenius.com/go/20f094aa9ae28a7fe3-stem1> to register your child's project for the night of December 12 from 6-7:30 PM so we know how much space to provide.



First and Last Name _____

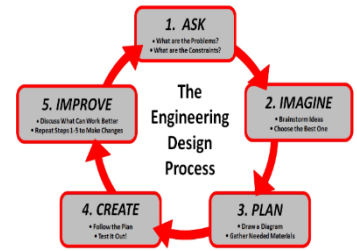
Grade _____

Teacher's Last Name _____

(BRING TO STEM NIGHT WITH YOUR PROJECT)

Engineering Design Inspiration

Criteria: Using materials at home, create a new toy, recipe, tool or invention.



Inspiration/Design

Sketches and/or Photos

A large empty rectangular box for drawing sketches and/or photos.

