



2020 Findley Elementary SCIENCE FAIR

# ENGINEERING DESIGN REGISTRATION FORM

Due Friday, January 31st

*This section will be completed when the registration is reviewed.*

- Begin your design project!**
- Please modify your proposal as noted and begin.
- Please modify as noted and return proposal to office for review.

Design proposals will be screened and **this form will be returned to you.**

Student Name(s) \_\_\_\_\_

Parent Name(s) \_\_\_\_\_

Teacher(s) \_\_\_\_\_ Grade(s) \_\_\_\_\_

The **Engineering and Design Process** is cyclical and can begin at any step or move back and forth between the steps numerous times. After you improve your design once, you may want to begin the process again to refine your technology or you may want to just focus on one step. Please complete the first two steps as your registration for Science Fair.

1. **Title and Question** (What is the problem you are trying to solve?)

1a. **Requirements** (What are the success criteria that will clearly define your problem? What are the constraints or limitations on your design?\*)

2. **Brainstorm ideas and Choose a Solution** (What are some solutions? What have others done? List books or websites used as references.\* Choose the idea you plan to pursue and describe it here.)

\_\_\_\_\_  
Student signature(s)

\_\_\_\_\_  
Parent signature(s) *Partner Projects require signatures from parents of both partners.*

*Happy Engineering! Think about these steps as you begin your project...*

3. **Plan and Create** (Draw a diagram. Make a list of the materials you will need. Create your design!)
4. **Test your Solution** (Follow your test procedure. Did you meet your requirements?)
5. **Communicate and Improve** (What worked, what didn't and what would work better? How would you modify your design for the future?)

*\*Listing constraints and references is optional for K-2nd grade projects.*