**Dear Crow Island Families,**

**STEAM Expo – February 2019**

**(Early information for students who may want to get a start over winter break)**

Our students are gearing up for this exciting event!

**Our annual STEAM Expo will be held on February 14th & 15th, 2019**

* Grades 3rd & 4**th** - Thursday, February 14**th** from 1:00 - 2:15pm
* Grades 2nd - Friday, February 15th from 9:30 -10:30am

**1st grade** students will display a project in their hallway

**2nd and 3rd grade** students will work individually

**4th grade** students may choose to work individually or with 1 partner

REGISTER [HERE](https://www.signupgenius.com/go/20F0449A9AD29AA8-2019)

**The Crow Island STEAM Expo** allows our students a chance to explore their interests in **science**, **technology**, **engineering**, and **math.** The **arts/design thinking** will be integrated throughout. Participation is optional, but we find that the majority of our students choose to join in the fun.

**What types of projects will students be working on?**

* Students are to be the primary owner of their project. They have the ability to execute these projects on their own. Students are naturally curious and creative.
* PLEASE REFRAIN FROM DOING THE PROJECT FOR YOUR CHILD.
* As in previous years, we are asking students to explore their topics using the inquiry method.
	+ Science: Ask a question and the project answers that question (experiment or research)
	+ Engineering: Think of a problem and the project provides a solution (your own engineering challenge, the 2018 Engineering Challenge, or research)
	+ Math: Ask a question and the project explores answers to that question
* Our STEAM Expo VALUES PROCESS OVER PRODUCT
* Students will be thinking, asking, discovering, and creating in their own individual ways and their final products will reflect that.
* Once again we will be having an optional 2019 Engineering Challenge: Students can choose this specific Engineering Design Challenge as their project.
* **Title:** 2019 Engineering Design Challenge:
	+ **Problem:** Use recycled materials to design a machine to solve a problem or do a job.
	+ **Constraints:** Recycled materials must be the main materials used in the design. The project will follow all of the regular STEAM Expo requirements (display space, safety, etc.)

**What are the STEAM Guidelines?**

Please take the time to read the guideline details below.  The guidelines have been put in place to assure we have a safe and successful Expo.  *In the past, we have had students disappointed because their projects did not follow the proper guidelines and therefore, could not be displayed in their entirety.*

[Guideline details HERE](https://docs.google.com/document/d/1R91I0FV9ciIbzQMEaW9YhCZu4M5RfOCDlb1ol7E2wSs/edit)

Click this link for more information on the [**Scientific Method, Engineering Design Process, and Research Project Steps**](https://docs.google.com/document/d/1mtP9BWkuDY5f459OfIqbsCVdpkwxjtRe5TAxqsPFCEU/edit)

**Questions?**

Students will be hearing more about STEAM projects in their classes from Jean Bierner, Crow Island's Science Facilitator and Betsy Steele and Anne Hazelwood, Crow Island's Math Facilitators.

Any additional questions can be directed to Colleen Knupp at cmitchell\_60640@yahoo.com or Courtney Jack at courtneyjack1970@gmail.com