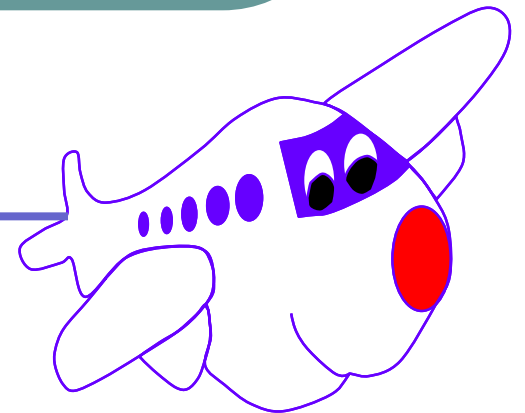


Science Fair Information

***Sponsored by the Brier Creek
Elementary School
Parent Teacher Association***



**SCIENCE
FAIR**



Important Info

- All fifth graders will be required to participate.
- Students need to complete:
 - The registration form
 - ***The safety wizard***
 - The research plan
- Research plans can be submitted to:
 - briercreeksciencefair@gmail.com
 - Teacher

Important Dates

- ***December 18, 2009** – Research Plans due for Tracks 2, 3, and 4
- ***January 8, 2010** – Research Plans due for Track 1
- ****January 20, 2010** – Science Fair for Tracks 1 and 3
- **January 27, 2010** – Science Fair for Tracks 2 and 4

*Research plans may be submitted anytime prior to this.

**This is the last day before track out for track 3.

Research Plan

- Question or Problem Statement
 - Do bridges have to be made out of metal?
- Hypothesis/Engineering Goal
 - Build a bridge out of wood that is as strong as a metal bridge.
- Description of Work
 - Give appropriate details about the plans to carry this out.
- Bibliography
 - Where did your information come from?

Judging Criteria*

- **Creative Ability** (Individual - 30, Team - 25)
- **Scientific Thought/Engineering Goals**
(Individual - 30, Team - 25)
- **Thoroughness** (Individual - 15, Team - 12)
- **Skill** (Individual - 15, Team - 12)
- **Clarity** (Individual - 10, Team - 10)
- **Teamwork** (Team Projects only- 16)

Details on the PTA website.

*The criteria for assigning grades for the fifth graders will be at the discretion of the teacher.

Picking a Project

- Fun!
- Budget.
- Age appropriate.
- What will they learn?
- Make it measurable!
- Consider time restraints and student interest.

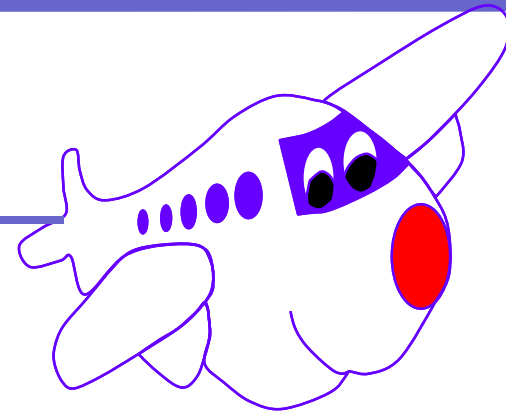
Example Project

- Path of a Projectile
- Can I predict where my dart will land?
- My hypothesis is that the angle that I hold my dart gun at will determine where my dart lands.
- Description of work:
 - I will change the angle that I hold the dart gun and measure where the dart lands.
 - Then, I will draw a graph to predict the distance traveled as compared to the angle.
 - I will test my prediction by changing the weight of the dart and seeing if that changes where the dart lands.
 - I will keep track of all my experiments in a log book.

Questions?



SCIENCE FAIR



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