7th Grade Research Paper/Project Ideas and Booklet Information

Throughout the multi-week construction period, each seventh grade excitent will be required to work on and complete a research paper/project, which will be one part of a science competition booklet. If they are working as part of the team they may turn in a single project but both students are expected to contribute to the final project. The booklet must include final biospirits of their project and will be worth the equivalent of one test grade. The specific requirements are listed below. The bulk of the research needs to be completed at home, although if a student finishes building her competition project below the allowed time has elapsed, she may work on her booklet during class. The paper/project needs to be on a topic that is relevant to the science competition project being constructed. Some suggestions for research topics are listed below. The booklet is due the Friday after the science competition on May of.

Possible Research Topics for Individual Projects:

- Glider: 1) A description of accodynamics or acconsistical engineering. 2) The evolution of flying machines. 3) The history and science of flight. 4) Research NASA missions.
- 2. Egg Brage 1) Discuss the recycling process or specifically the recycling process of paper (what percentage of paper or other materials are recycled, what happens to recycled paper or other materials, etc.). 2) Discuss natural resources, what is a natural resource, how is it acquired, in there as unlimited supply? 3) Use of outton and natural fibers vs. synthetic materials in clothing. Are there advantages or disadvantages to one or the other?
- 3. Kitst Building: 1) Research and discuss different types of kits models. Are those advantages or disadvantages to specific designs? 2) How long have kites been around and what cultures were the earliest users? 3) Have kites been used for anything other than recreational purposes?

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