



Colonial Christian Secondary School Science Fair

Who: All 7th through 12th grade honors students are required to participate

Where: The FLC, a table will be provided.

When: May 12

What: Experiments and inventions

How: All projects must have a trifold poster board with a title, pictures, and text, unless the student receives an exemption from the teacher

Why: It is a **BIG** grade. It will be unforgettable. It will be fun.

Grading – Experimental science is graded by your instructor as follows:

1. **Hypothesis**– Well-defined hypothesis, including statements regarding the project goals
2. **Procedure**– Well-organized, executed, and controlled
3. **Observation**– Data, records, and mathematics laid out in a systematic manner.
4. **Conclusion**– Experimental conclusions, implications and applications.

Grading – Technological Science is graded by your instructor as follows:

1. **Problem**– Definition, importance
2. **Solution Rationale**– Research, alternative solutions, rational behind choice, uniqueness
3. **Design**– Annotated drawing with blow ups of key parts or features and modifications
4. **Prototype construction**– Appropriate materials, construction and resilience
5. **Prototype success**– Functionality, practicality, Ergonomic
6. **Improvements**– Self-evaluation and proposal for improved model

Q&A:

1. **Electricity?**– Some. Consider batteries.
2. **Water?**– Some. Request kitchen proximity.
3. **Materials?**– The chem lab and robotics lab have all kinds of equipment, parts and supplies, and we would love to help.
4. **Dangerous?**– we cannot allow dangerous devices or experiments, but run your idea past us, it is likely we can find a way to make it work so no one gets hurt.
5. **Demonstrations?**– We invite demonstrations by appointment, but grading will likely occur when you are not present, so your project needs to be self-explanatory and instructions for operation need to be clear.
6. **Topics?**– Any science. See your teacher for ideas.
7. **Writing?**– If writing is tough, consider getting help from any of your teachers. We are glad to help put your ideas on paper.