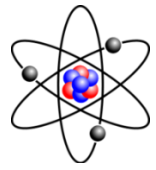


Colonial Christian Secondary School Science Fair Schedule- Engineering

Date	Assigned	Brief	Turn in
12/10	Prob Def	Write up a paragraph problem description that is significant and achievable	Paragraph
1/20	Research	Research 5 or more articles or similar devices, components or issues that pertain	Printouts of read materials
2/4	Design	<ol style="list-style-type: none"> 1. Make up alternative solutions 2. Make up criteria and constraints 3. Rate solutions and choose 4. Type up decision table 5. Type up rationale 	Paragraph detailing rationale behind decision Decision Table
2/18	Draw	Draw a neat annotated engineering "blue print" of the device you intend to build. Your design should be repeatable from your drawing	Drawing
4/8	Prototype	Build your device. Modify your drawing as you solve problems and come up with solutions.	Device
4/8	Improve	Write a paragraph or more on improvements you propose for an upgraded version	Paragraph
4/22	Draft	Type or prepare: <ol style="list-style-type: none"> 1. Problem description (make application very clear) 2. Decision table 3. Decision and advantages and disadvantages 4. Make a neat version of your design drawing 5. Pictures of operation& graphs 6. Display version of prototype 7. Improvements 	5-10 pg report for revision
5/6	Final Check	<ol style="list-style-type: none"> 1. Three part display (opt.) 2. Prototype 3. Final draft report 4. Drawings 5. Pictures 6. Demonstrations 	All parts
5/12	Present		Inspection



Colonial Christian Secondary School Science Fair Schedule- Experiment

Date	Assigned	Brief	Turn in
12/10	Prob. Statement	Write up a paragraph containing a hypothesis that is reasonable, testable and significant. (Include the motivation – why this is important research.)	Paragraph
1/20	Research	Research 5 or more articles of experiments, components or issues that pertain	Printouts of read materials
2/4	Approach	Design a controlled experiment or a “blind” experiment. Identify the independent and dependent variables, controls. List materials and draw setup (if needed) Prepare mathematics to determine if results are significant or not. Assessment sheets and tables	Paragraph & tables
2/18	Drawing	Annotated pictures of experiment apparatus and observation methodology	Pics/drawing
4/8	Conduct	<ol style="list-style-type: none"> 1. Conduct the experiment. 2. Record data in tables. 3. Do the math. 4. Draw a conclusion. 	Data tables Conclusion Draft 1
4/8	Abstract	Write a scientific abstract containing motivation, problem statement, approach, results and conclusion.	Paragraph
4/22	Draft	Type or prepare: <ol style="list-style-type: none"> 1. Abstract 2. Hypothesis & motivation 3. Approach 4. Print pics, drawings, graphs 5. Results 	Draft 2 Type report
5/6	Final Check	<ol style="list-style-type: none"> 1. Three part display 2. Final draft report 3. Drawings 4. Demonstration equipment 	Final Draft + all pics, graphs, tables and equipment
5/12	Present		Inspection