

CHEMISTRY: SPRING EXTRACURRICULAR STUDENT PROJECTS

Mrs. B, Room C-5 Spring 2007

Granada Hills Charter High School/CSUN Math, Science and Technology Magnet School

Students will complete one extracurricular project. *An extracurricular project is some form of research conducted **outside** of the classroom and above and beyond but related to the course content.*

FOCUS:

The intent of this project is to provide students the opportunity to research a topic within a field of chemistry that has direct application to something of **personal interest** which also relates to the California State Content Standards in Chemistry. Ideally, then the information will be personally valuable and the fact that "chemistry is everywhere" will be reinforced. Projects requiring site visits are considered most valuable in point assessment.

CRITERIA:

Each project must be approved by the instructor prior to submission to ensure it meets proper guidelines. Projects are limited to **CHEMISTRY** topics only. Projects are considered independent work. Each project is worth a maximum of 25 points.

Each project must include:

1. An instructor approved Submission Request and Grading Sheet
2. A written Summary (Abstract) of the Project (1 paragraph) with a copy submitted prior to your presentation as well as included as a preface to your written report. This summary must include a description of the relationship of your project to the **California Content Standards for Chemistry**. (Handed out previously) (<http://www.hschem.org/Chem/chemstandards.htm>)
3. A verbal 10 minute Explanation and Discussion held in class with use of **visuals** (posters, brochures, handouts, demonstrations, models, etc.) I prefer not to accept videos or PowerPoints for this project as the written component and verbal presentation is most important.
4. A Written Report detailing your research and why you chose this project with cover-page and resources. This should include item # 8 below. (The report should contain all of the written materials that are required for this project in stapled packet; Grading Sheet first, Title page, Summary (Abstract), Written Report (which includes impact), Bibliography, 5 questions with answers and turnitin.com print-out of the Abstract and Writing Report component of this project.
5. Bibliography: a *minimum of three* detailed and properly cited reference sources (refer to your Style Guide) from three *different* media types (encyclopedia, text, film, interview, internet, etc.) Note that any website reference must be accompanied by a printout of the first page with the URL address shown.
6. A Question and Answer Section (write 5 comprehension questions regarding the information you presented, include the answers on a separate sheet.)
7. The Impact: a link between your chosen topic and our daily lives - how does it affect us?
8. It is suggested that each project be approached from the perspective of an "expert" attempting to accomplish a specific goal. (Class discussion will be held describing this approach.)
9. Submission clearance report from www.turnitin.com of the written report and abstract.

SUGGESTED PROJECTS:

Recent discoveries and applications and how it Affects Us Today, Chemistry Models for use in Classroom Instruction with Explanations, Choose a common product or item and research and describe its chemical development and Interesting Chemical Concepts, etc. These are just some ideas **however the best projects and most highly scored come from ideas of your own that involves something that you are personally interested in** (and may involve visiting a lab or a special industry site if time permits.) Did you know that there is a gummy bear factory? Do you have a hobby or talent that utilizes some object or materials that you can investigate? Remember, chemistry is EVERYWHERE!