CHEMISTRY: SPRING EXTRACURRICULAR STUDENT PROJECTS

Mrs. B, Room C-5 Spring 2009

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 involving site visits are considered most valuable in point assessment. The intent of this research project is directly correlated to the GHCHS ESLRs promoting skills as:

- AN EFFECTIVE COMMUNICATOR
- AN INFORMATION MANAGER
- A PROBLEM SOLVER
- A PRODUCTIVE MEMBER OF SOCIETY
- LIFELONG LEARNER

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 the independent work of a single or pair of students *only*. 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**. (http://www.hschem.org/Chem/chemstandards.htm)
3. A verbal 7-10 minute Poster Presentation which includes a full and complete explanation and discussion held in class or auditorium with the use of **visuals** (posters, models, etc.) The written component and verbal presentation is most important aspect of this project.
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. Annotated Bibliography: a *minimum of three* detailed, fully annotated 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. Consult your English teacher regarding annotations.
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 full written report and abstract.

SUGGESTED PROJECTS:

Recent discoveries and applications and how it affects us today, a common product or item researching the history of its development, etc. or a topic that may be considered important consumer information such as water supply toxins and *local* environmental issues, toxic dump sites, contaminated land/property. These are just some ideas **however the best projects and *most highly scored* come from ideas of your own that involves something of personal interest to you.**

Remember, chemistry is EVERYWHERE!