**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chemis-Tree Project**

This project will be due on **December 10th** (after Thanksgiving break). This project is to be some type of ornament for the tree in our room. It **MUST** pertain to chemistry! It could be a model of a molecule, diagram of a famous experiment, profile of a famous chemist, etc. It **MUST** be colorful, well designed and constructed (will hold up well), and either be immediately recognizable for what it is supposed to be or well labeled. It **MUST** be three dimensional, thus it cannot be made out of 100% paper or paper products. Your name **MUST** be on the ornament and your class period, along with a hanging loop or hook so that the ornament hangs on the tree. It must be of an appropriate size to hang on the tree; ornaments unable to hang on the tree will not be graded!

**This is a major grade and should reflect a significant amount of time in planning and construction.**

You **MUST** also have a **TYPED (-20 points if not typed or present at the grading time)** paper that:

1. Clearly describes your ornament’s physical characteristics so it can be found on the tree with ease
2. Clearly and specifically describes your ornament’s connection to Chemistry, explaining ALL you possibly can about that topic (yes you should research the chemistry before writing the paper!)
3. You must state the amount of time you spent constructing the ornament (not counting thinking time, shopping time, glue drying time, baking time, time spent on an earlier rejected ornament, etc)

**Late ornaments will lose points at the rate of 10 points per day**. Illness or other reasons for absence do not factor in due to the extremely generous amount of time allowed for this project.

All work is to be done outside of class time and your grade will reflect how much work and time it **LOOKS** like went into your ornament, as judged by your craft-inclined teacher.

**This paper MUST accompany your ornament and be stapled to your typed paper.**

**Without this paper your ornament will not be graded!**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **20 pts** | **15 pts** | **10 pts** | **5 pts** |
| **Quality of Construction** | The ornament shows considerable attention to details (is **durable** and purposeful) | The ornament shows some attention to details (is comprehendible, but not the best that could be done) | The ornament has the basic parts (hanger, chemistry stuff) but it is hard to understand with a description of what it is supposed to be | The ornament is poorly put together or is completely incomprehensible |
| **Creativity** | The ornament shows an unusually high degree of creativity and good use of materials and color | The ornament shows a moderate level of creativity | The ornament shows little creativity | The ornament shows almost no creativity (items were bought and used as is) |
| **Time** | The ornament appears to have taken more than 5 hours building, not counting the typed paper | The ornament appears to have taken more than 3 hours building, not counting the typed paper | The ornament appears to have taken more than 2 hours building, not counting the typed paper | The ornament appears to have taken no more than 1 hour building, not counting the typed paper |
| **Presentation of the Chemistry Topic** | The chemistry concept is clearly and understandably presented by anyone looking at the ornament | The chemistry concept is correctly presented, but the presentation is inadequate | The chemistry concept is not correctly presented | The chemistry concept does not seem to be understood at all  |
| **Typed Paper****(0 points if not typed)** | The paper gives strong correlation to ALL the specific chemistry concepts that are presented | The paper gives a correlation to SOME of the specific chemistry concepts that are presented | The paper gives weak or general correlation to a chemistry concept |  The paper gives an incorrect correlation to the chemistry concept present (one incorrect will ruin the rest!) |