

Chemistry 20: Research Idea

Name _____ Topic _____

By yourself or with a partner, you will make a 5 – 10 minute presentation on the topic of your choice. The method of presentation is up to you: power point, a speech, a skit, musical number, video, etc etc. You are only limited by your imagination.

Presentation dates will be _____

Technological Analysis

In today's world we use technology to gather data and information about such things as: the environment, our health, structural integrity of bridges, space probes, earth tremors, communications, weather, etc. etc.

You can choose to investigate something as simple as a thermometer or something as complex as a remote satellite. Choose something that interests you.

The presentation must include, but is not limited to the following information:

	Description of Information Required	Possible score
1	Describe the instrument that gathers the information. (maybe a seismometers, a computer, a digital probe, etc) Describe how the instrument works, how expensive it is, what it looks like, how big it is, etc. You will need LOTS of details here.	6
2	Why is the data and information gathered? What happens to the data? Who pays for the cost of the gathering of the data? Who owns the data? Is this data classified or open to the general population?	3
3	What is the history of this kind of data? Has it been collected for decades? Is this new data that we want to gather? If it is old, how was it previously gathered?	2
4	What kind of training does one need to use this kind of technology? Where would you get this training? Where in the world would be able to get a job with this kind of skill?	2
5	Are there any regulations about how this data is used? Example: for health related information there are laws like freedom of information and protection of privacy. What legislation is there regarding your technology?	2

6	What impact does this technological analysis have on the world? Discuss if the cost of gathering the data is supported by the potential gains that society will have from this technology.	4
7	Things that will set your presentation apart from the others. Be creative and make us sit up and listen carefully!	2
8	Engagement of the audience. This will be measured by the number and quality of questions that you inspire people to ask.	2
9	Audible, using appropriate vocabulary. Do NOT use words you don't understand and cannot explain.	2
10	Timely: do not exceed 10 minutes of time for the presentation	1
	Total possible mark for the presentation is	26