

Senior Capstone Research Proposal

Student: _____ Advisor (teacher): _____

Project Title: _____

Mentor: _____ Mentor Contact Info: _____

Directions: Review each prompt below, with your mentor, and record all information discussed. Write your responses with as much detail as possible.

1. SRT will probably be scheduled in the afternoon, during a double block. This gives you the opportunity to work on a research facility site 2-3 afternoons a week. Although this is not required, you need to plan how you will be on task during those class hours, for the school year. Where do you intend to be doing your research? Be specific with locations and hours.
2. If working off site, how do you intend to get there and home?
3. What is your primary research question? (ie. "What is the effect of _____ on _____.") What do you want to discover or investigate? Be specific.
4. Why does this topic interest you?
5. Explain how you will integrate science, math, and technology in your project? Use information and skills you ALREADY possess and plan to apply to the project.
6. List at least 5 sources of literature you will consult to help you understand the topic you wish to investigate (specify book and article titles using APA format).
7. What data will you need to generate this research question? (you can write blank data tables to show)
8. List the materials, locations, facilities, and time commitments necessary for you to collect your data.
9. What special skills, training, and human expertise will you need to learn in order to complete this investigation? Indicate how you intend to get these.
10. Are there any specific safety concerns that will need to be addressed? (include liability, chemicals, dangerous areas, etc.).

11. You may be granted up \$200, from the SMA, to help you. What supplies, resources, and equipment do you anticipate you will be asking us to purchase for you?
12. On a separate paper, provide an outline of the project tasks and timelines (10 weeks a quarter for 3 quarters (6-9 class hours per week, weekends?, summer?, etc.)). This needs to be fully approved by your mentor, parents, advisor, and Dr. Kirkwood or Ms. Clem before your proposal is considered.

- a. Have your parent sign and date a printed copy of your responses. It should look like this:

I hereby give permission for my son/daughter, _____, to participate in the SRT senior capstone project as proposed in this report.

Printed name

signature

date

- b. Have your mentor send your advisor an electronic copy as well. This verifies that they agree with your printed copy.