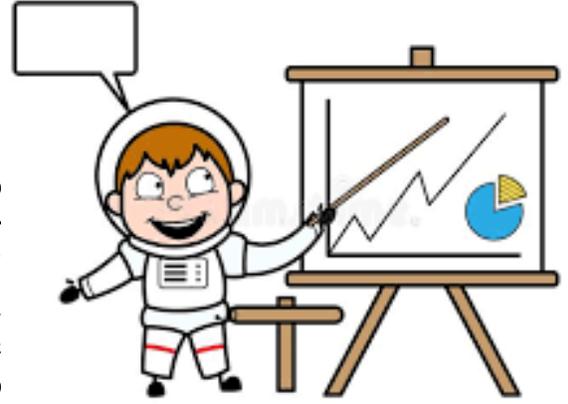


Research and Communicate Like An Astronaut

Final Project Guidelines



One of the jobs of any scientist, astronauts included, is to conduct research or experiments and to communicate their results and findings. To earn the final badge in the SHARE Astronaut Training Program, students will conduct research on a specific astronomy topic of their choice and will communicate what they have learned to their classmates. Presentations are to be short and focused. For example, instead of presenting information on the entire sun, give a presentation on how solar flares cause geomagnetic storms OR talk about the benefits of using solar power on earth. Another example would be to present information on a specific star such as Proxima Centauri, instead of talking about stars in general. **The idea is to go beyond the general information taught in class and dig a little deeper and share it with the class.** Astronauts go into space with focused missions and goals on what they want to research and test. **Be specific with your presentation mission!** It may take a little research to find a specific topic, but once you do, it will make your presentation very easy to work on.

Requirements:

- Report form (to be neatly filled out and turned in on day of presentations). **Report forms will be handed out on Tuesday.** Reports need to have 3 main points. 3rd and 4th graders will need to list 3 complete sentences for their main points and 5th/6th graders will need to write one paragraph or short essay with the three main points on their topic.
- Credible resources (Wikipedia is NOT a credible resource. Your resources for your research will need to be listed on the report form)
- Give a 1-2 minute Presentation (Keep it short and focused). You will be giving the presentation as if you are an astronaut or expert on the subject and are communicating what you have learned to your fellow astronauts.
- A visual aid for your presentation (poster, model, experiment, demo, etc.)
- Handouts for each of your classmates to glue into their lab notebooks that tells one fascinating things about your topic (a handout must also be stapled to your report form to turn in)

How You will be graded:

- 5 pts. Meets requirement for number of credible sources
- 5 pts. Has a handout for each classmate to put in lab notebook
- 10 pts. Neatness
- 10 pts. Topic is specific and focused
- 10 pts. Followed project instructions
- 15 pts. Has a visual for presentation
- 20 pts. Demonstrated knowledge of the subject in presentation
- 25 pts. Presented new research information not covered in-depth in class and completed report form with three main points



Total: 100 points

PLUS: Up to 5 points extra credit for projects that go "above and beyond"

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