

**NOAA OFFICE OF EDUCATION
UNDERGRADUATE SCHOLARSHIP PROGRAMS**

FINAL PRESENTATIONS

INFORMATION PACKET

FOR A

POSTER PRESENTATION



**NOAA Science Center
1301 East West Highway, Silver Spring, Maryland 20910**

**FINAL WEEK OF PRESENTATIONS
July 29- August 2, 2013**

Posters are to be **set-up on Monday, July 29, 2013, from 9:00 a.m. – 11:00 a.m.** in the NOAA Science Center located at 1301 East-West Highway, Silver Spring, Maryland. Please bring complete, printed posters to Silver Spring, Maryland, with you. Supplies will be made available for the poster set-up. Each poster will be assigned a number that scholars will receive prior to their arrival on July 28th, locate the easel number that corresponds to the poster number and mount your poster. Poster number assignments are grouped according to NOAA mission goals. Posters cannot be moved during the setup on Monday because the judges will already have their assignments and will locate and evaluate their group of posters based on prior information. Poster take down is on Wednesday, July 31, 2013, after the poster session.

Each scholar's poster will be judged by three assigned Poster Session Judges. The Judging Criteria is based on:

- Appearance and Organization (Does it have a title? Is it neat and well designed? Are the steps clearly labeled?)
- Problem Formulation (Was the problem/hypothesis stated? Is it testable?)
- Procedure (Are the steps listed in order?)
- Data Collection and Representation ((Is the data displayed in a scientific way? Was the data collected carefully?)
- Valid and Appropriate Conclusion (Does the conclusion reflect the data? Is the hypothesis or question discussed in the conclusion?)
- The Interview (Can the scholar clearly explain the procedure and results? Can the scholar suggest another related project or the next steps? Is this your work?)
- Poster Summary Report (Does the report contain all of the information contained on the poster?) Submit the Project Report to StudentScholarshipPrograms@noaa.gov by **Friday, July 19, 2013**. The Poster Summary Report should consist of the same information found on the poster, follow the format below for the poster. The Poster Summary Report should not be more than 10 pages.

Posters will be available for previewing from Monday, July 29, at 1:00 p.m. through Wednesday, July 31, at 4:00 p.m. in the NOAA Science Center. Students are required to man their posters on Wednesday, July 31, from 1:00 p.m. – 4:00 p.m. Three assigned Poster Session Judges will interview each scholar during this session. The judges will ask questions to make sure that scholars really understand their project. They are also interested in seeing if scholars can expand upon their project, and are able to think it through to the next step.

The scholar's posters with the three highest scores (taken as an average of the three Judges' Scores) will receive a first place award. The second highest score will receive an honorable mention. In the event of a tie, a decision will be made by reviewing the Judges comments.

Posters may be broken down after the poster session on Wednesday, July 31, 2013.

FORMAT FOR THE POSTER PROJECT REPORT

The Poster Summary Report should contain the same content found on the poster as well as any other information the scholar feels will be helpful to the judges. The Poster Summary Report should consist of the same information found on the poster, please follow the content sections described below for the poster format. The Poster Summary Report should not be more than 10 pages. This report will be provided to the judges in advance of them viewing the posters.

Please submit the Poster Summary Report to StudentScholarshipPrograms@noaa.gov by **Friday, July 19, 2013**.

POSTER FORMAT

When constructing your poster, keep in mind that posters will be no larger than 42”(h) x 30”(w)—portrait-size, not landscape. The Project Display Information should contain a NOAA logo:

SCHOLAR'S NAME

PROJECT TITLE

NOAA MISSION GOAL:

THE QUESTION or HYPOTHESIS

The Project must start with a question. The question should be one that can lead to a project where something is changed and the result is measured. The question may ask about the effect of one thing upon another. The question should be one that you can collect data (ideally measurements or direct observations) rather than opinions.

INTRODUCTION

The Introduction should identify the location of your summer internship site. Briefly discuss how and why you selected this project. Discuss your search for background information that aided you in forming the basis for the project.

PREDICTION

The prediction is an attempted answer to the question or hypothesis being investigated. The prediction makes a reasonable guess about the outcome of the project and suggests a possible reason for this outcome. The prediction should be based on prior knowledge obtained through a literature search, observations, or research and is accepted or rejected by the results of the investigation.

MATERIALS

Materials include the equipment and supplies that were used to complete the project. Materials need to be listed in specific amounts and sizes.

PROCEDURE

The procedure includes all the steps that were followed in setting up the project and collecting the data. The procedure should be written in a clear and concise manner. Numbering the steps is helpful. The procedure should reflect that enough data were collected to support the conclusion. Factors that can affect the outcome of the experiment, called variables, must be identified and controlled as part of the procedure. The variables should be listed and explained as part of the procedure.

RESULTS

The Results should include measurements taken and observations made, as well as a written explanation. Along with the written explanation, results should be displayed in the form of data tables, graphs, and photographs.

The data table should match the project design. Using the independent and dependent variables will help organize the table. Data from the project should be analyzed and graphed.

CONCLUSION

A Conclusion has four parts:

1. It should answer the original question that started the project and include results used as the basis for that conclusion.
2. It should reflect back on the original prediction and state whether it was supported or not.
3. It should include inferences that can be made from the results of the project.
4. It should also include any additional questions that could be investigated or information that could be research in the future. In addition, any problems that were experienced during the project can be discussed.

ACKNOWLEDEMENTS

Thank your mentor, co-mentors and others who assisted you and provided guidance.