

## **Girls RISE**

### **Guidelines for Demonstration Presentations**

**Purpose:** You will be divided into four teams, two teams per session. Each team will select a topic related to science and engineering. Your team will be responsible for creating a demonstration presentation which will illustrate to your audience important concepts and principles related to your topic. This should be done by using simple demonstrations which illustrate the concepts as well as by providing explanations and involving the audience. The demo presentation is intended to be used later on by the Museum as a table-top demonstration (such as the cow eye dissection). The following guidelines should be followed:

**Time Limit:** The demo presentation should be approximately 15-30 minutes in length.

**Background Research:** Teams will need to do some background research on their assigned topic. This may be done through books, Internet, videos or any other reputable sources available. We will also observe Museum staff conducting demonstrations. Remember, your presentation needs to be informative. By the end of your presentation, the audience should clearly understand what your topic is all about. Therefore, your team needs to be well informed and communicate this information effectively.

**Materials:** Although there is no set cost limit, teams should try to use materials that are already available at the Museum. If you need other materials, a list of specific materials and the amount needed must be submitted to the mentors two weeks in advance. If the materials requested are too expensive or cannot be obtained, the mentors will work with you in order to find alternative materials. Please be realistic and considerate when making requests for materials.

**Documentation:** Your team will need to develop a demonstration script that others can use to replicate the demonstration.

**Team Member Roles:** Just like this past summer, each team member should have a specific role in order to complete the project. Teamwork is essential in order to be able to finish this project successfully. Find out what the strengths and weaknesses of your team members are and emphasize the strengths. For example, find out which team members are good designing web pages, or which members are good presenting, or which members are good at building and assembling.

**Due Date:** The demo presentations need to be completely done by the end of May. Therefore, you need to work efficiently and effectively to have a good finished product. Please do not leave things for last minute since time is needed to perfect the presentations and web pages. And as you all remember from last

summer, unexpected things can always happen which may set your progress back.

Keep in mind the importance of these presentations. They will be used in the Museum as demonstrations for the general audience. Therefore, the presentations should be practical, informative, and not too complicated. But most of all, they should be FUN! GOOD LUCK!