

## **Chapter 32: The Universe RAFT**

### **RAFT: Role, Audience, Format, Topic**

**Role:** Museum Curator

**Audience:** Financers of the Project

**Format:** Power Point, Word document, Poster

### **Topics**

1. Stars and fusion
2. Examining light from stars
3. Classifying stars
4. Temperature and brightness of stars
5. Life cycle of stars
6. Death of a star and birth of elements
7. Formation of the solar system
8. Galaxies
9. Milky Way Galaxy
10. Determining distances to objects in the universe
11. The Big Bang Theory

### **Instructions**

Imagine the following scenario:

You are the curator of a large museum. You have just been told that you will be given a large sum of money to create an astronomy exhibit for the public. The financers of the exhibit want to see how you plan to spend their money. You must prepare a presentation for them outlining features of your proposed exhibit. A complete presentation will include answers to the following questions:

1. What will the exhibit look like? Be specific. What materials, graphics, and design will you use?
2. What principles of astronomy and science do you think are important to include in the exhibit? Be specific. Write at least a paragraph on the ideas related to your topic that you think are important to include.
3. Why are these principles important to include? Why should someone care about astronomy and this exhibit?

Topic assignment is random. You will select it from a box. You will work in groups of three. Consider using the following resources: your textbook, your journal notes, and the internet. You will have about 45 to 50 minutes to work on this and no more. You will present the exhibit plan to the class at the end of the period. The class will play the role of the audience and will evaluate your exhibit plan based on the rubric presented on the following page.

## Rubric for Assessing Project Plan

1: POOR, I would not fund this project

2: FAIR, I might fund this project if some big changes were made

3: GOOD, I would fund this project with some adjustments

4: EXCELLENT, I would fund this project as it is

Topic:

Group Members:

1. Did each member of the project team contribute to the presentation? \_\_\_\_\_.
2. Were you able to imagine what the exhibit would look like? \_\_\_\_\_.
3. Was the project design creative and interesting? \_\_\_\_\_.
4. Were the appropriate principles of science and astronomy emphasized? \_\_\_\_\_.
5. Did the project team understand and complete the assignment? \_\_\_\_\_.
6. Did you feel convinced that this exhibit would be important for the community and the museum? \_\_\_\_\_.

TOTAL SCORE: