

## *Baseball Menu for Science Projects*

Look through the following choices and decide how you want to make your game add to 100 points. Singles are worth 10, doubles are worth 30, triples are worth 50, and a home run is worth 100. Choose any combination you want. Make sure your points equal 100!

All projects are due by \_\_\_\_\_.

### **Singles – 10 points each**

- Design a poster that illustrates the most important safety rule. The poster should be appropriate for a fourth grader or younger. Instead of stating the rule in sentence form, show it using pictures.
- Choose an object in your classroom. Record at least 10 observations, both qualitative (descriptions that are not numerical) and quantitative (observations that are numerical – size, dimensions, etc.) about your object.
- Create a concentration game that includes pictures of 10 different pieces of lab equipment and their uses.
- There is a new biography being written about a well-known scientist. Choose a scientist, and design a book cover for their biography.
- Create a song or rap that explains the difference between speed and velocity.
- Make a brochure that shows how to be safe when using electricity.
- Pick a hurricane and track it. You should include at least 1 coordinate per day for the duration of the hurricane (no less than 10). Include a color-coded key and a list of the coordinates you used with the date and category.

### **Doubles – 30 points each**

- A local news reporter has been sent to interview Dr. Beaker, a local scientist, who has the record for the most lab accidents in one year. Write a newspaper article that documents all of his accidents (at least 15) and how they could have been prevented.
- Create a questionnaire that surveys your classmates on a topic of your choice. After choosing the best method to show your data, create a poster to show your results.
- A famous scientist is receiving a lifetime achievement award. The scientist has been asked to share his or her impact on history. Design a trophy and prepare the scientist's acceptance speech.
- Choose a famous scientist that most interests you. Create a scrapbook (10 pages) about this scientist's life and accomplishments.
- Choose a famous scientist and create a three-dimensional timeline of his or her life and contributions.
- Create a children's book about force and Newton's three laws of motion.
- The school is thinking about purchasing a new school weather station. They have a budget of \$5000. Research the different options that are available and create a brochure explaining the weather station you think is the best choice.
- Track a hurricane that came through North Carolina. You should include at least 1 coordinate per day for the duration of the hurricane (no less than 15). Include your list of coordinates with the date and category and a color-coded key. Explain some of the impacts that hurricane had on North Carolina (physical, economic, etc.)

### **Triples – 50 points**

- You have been asked to interview a famous scientist of your choosing, living or dead. Develop appropriate interview questions, locate the answers, and write a newspaper article with the information about the scientist and his or her impact on history.
- Each layer of the atmosphere serves an important role in our life on Earth's surface. After deciding which layer is most important, create a news report proclaiming the disappearance of this layer and the effect this will have on our daily lives.
- Write a journal entry for a day in the life of a body system of your choice. Your day should begin when the body goes to sleep and continue for 24 hours.
- Brainstorm a testable question and plan a scientific experiment that answers your question. Include the question, hypothesis, materials needed, and the procedure you would follow. You do not actually have to do the experiment.

### **Home Run – 100 points**

- Do a Science Fair project to include in the school science fair. Do background research on your idea. Include a testable question and a reasonable hypothesis. Design and conduct an experiment to test your question, including only one independent variable and making sure all controls are the same. Choose the best method to show your data, and draw a conclusion based on your results. Display all aspects of your project on a tri-fold board.
- Create a 3-D model of something in science that interests you with a research paper explaining the scientific principles behind the model and why it works. You will present your model and paper to the class.