

Algebra One  
"Fireworks" Task #2  
Period:

Name:  
Date:

**Process Standards:**

Students will be able to:

- Interpret results in ways that are meaningful for the given context.
- Effectively communicate their mathematical knowledge.
- Exhibit characteristics of a cooperative learner.
- Organize class materials so that they are easily accessible and able to be used as an additional resource in problem solving situations.

**Content Standards:**

Students will be able to:

- Select and apply appropriate computational strategies to problem solving and life situations.
- Use technology to assist in data collection and interpretation of functions.
- Perform operations and transformations on functions, polynomials, and other mathematical entities.
- Interpret and describe classes of functions through rules, tables and graphs.
- Interpret situations that involve variable quantities.
- Model a wide range of phenomena using a variety of functions.
- Interpret intercepts, local extreme values, and asymptotic behavior of functions in given contexts.
- Select and produce appropriate graphical representations.

Today each group will present an overview of the unit and its essential questions.

Summarize what you thought about yesterday and organize the information on the poster paper. You will be presenting your ideas to the class.

- How long will it take for the rocket to reach the top of its path?
- How high will the rocket be at its highest point?
- How far away will the rocket land?
- How long will it take for the rocket to come down to the ground?
- How did you find these?

