

Criteria for Fireworks Unit Assessment

- the proposal is presented in a form appropriate for presentation to the principal
- the proposal includes an explanation that convinces the principal that the fireworks display is safe
- a diagram that shows the trajectory of the firework is included
- the proposal clearly explains where the fireworks will be launched, when and where they will reach their highest point, and when and where they will reach the ground.
- a quadratic equation is given to model the trajectory of the fireworks
- the quadratic equation given is accurate and takes in to account all necessary parameters, including the initial height of the firework.
- explanation is given for why this quadratic equation is chosen that includes visual effects and safety
- explanation is given for how changing the terms in the quadratic equation would change the overall display.

Scoring Rubric for Fireworks Unit Assessment

See attached District 203 scoring rubric