|  |  |  |  |
| --- | --- | --- | --- |
| G:\Logos\Logos 0708\GriffinRW.jpg | Topic/ Objective: | | Name: |
| Projectile motion basics | | Class/ Period: |
|  | | Date: |
| Essential Question: | | | |
|  | | | |
| Questions: | | Notes: | |
| What is a Projectile? | | Examples: Non-Examples: | |
| Projectile Definition:  Force Diagram for a Projectile: | |  | |
| What does ‘air resistance is negligible’ mean? | |  | |
| What is Newton’s Cannon?  Sketch it showing different launch velocities. | |  | |
| What is a Satellite? | |  | |
| What does Freefall mean?  Are objects in freefall  when they go up  | |  | |
| What is Trajectory ? | |  | |
| What is Range? | |  | |
| What is Peak height? | |  | |
| Summary: | | | |
|  | | | |
|  | | | |

|  |  |
| --- | --- |
| Questions: | Notes: |
| What variables affect the trajectory of a projectile? |  |
| Does mass affect the rate of descent of a projectile? |  |
| What the four types of projectile motion? |  |
| What are the equations of projectile motion? | Horizontal motion: Vertical motion:  (there are 2 of these) (there are 3 of these) |
| What do the subscripts tell us?  *Subscript: i*  *Subscript: f*  *Subscript: x*  *Subscript: y* |  |
| What value will we use for the acceleration of gravity for our projectile unit? |  |
| Summary: | |
|  | |
|  | |
|  | |
|  | |