Name: _____ Per: _____ Date Due: _____EN_____

NERF GUN SCIENCE JOURNAL ENTRY

Think about the Nerf Gun lab and sketch the motion of the dart when shot at ~ 45°. Then label all the forces acting on the dart during flight.

Explain how inertia and appropriate forces affect the dart on its trajectory form the gun to the ground.

Explain what changes you would make if you repeated the lab to get more accurate results. Why do you think these changes would lead to more accurate data? Draw a diagram to be clear.

What question do you think would be a next step if the lab was turned into an inquiry lab where you had to find relationships between forces and inertia? How would you set it up?