Unit 2: Quadratic Functions and Equations — Trajectory Project

Criteria	4 - Excellent	3 – Good	2 – Fair	1 – Poor	0 – Missing
Equation Setup	Quadratic equation realistic, matches motion, variables defined	Equation reasonable, small unrealistic coefficient	Attempted but incomplete or unrealistic	Incorrect equation with little relevance	None
Forms of Quadratics	Correctly shows standard, vertex, and factored forms	At least two forms correct; one error	One form attempted but flawed	Minimal attempt	None
Analysis	Vertex, intercepts, axis correctly identified & explained	Mostly correct, small errors	Partially correct; incomplete	Very limited attempt	None
Real-World Connection	Results (max height, flight time) interpreted clearly in motion context	Connected but vague	Mentioned but misinterpreted	Minimal attempt	None
Visual & Presentation	Graph neat, labeled, realistic parabola shown	Graph present but missing labels	Graph rough or unclear	Minimal graph	None