

Activity Matrix

Standards and Skills

Science as Inquiry
 Physical Science
 - Position & Motion of Objects
 - Properties of Objects and Materials
 Unifying Concepts and Processes
 - Change, Constancy, & Measurement
 Evidence, Models, & Explanation
 Science and Technology
 - Abilities of Technological Design
 - Understanding about Science & Technology
 Science in Personal & Social Perspectives
 - Science and Technology in Local Challenges

Science Standards

Pop Can Hero Engine	▲	▲	▲		▲	▲		▲		▲		
Rocket Racer	▲	▲	▲		▲	▲		▲	▲			
3-2-1 Pop!		▲	▲					▲	▲	▲		
Antacid Tablet Race	▲	▲		▲				▲	▲			
Paper Rockets	▲	▲	▲		▲	▲	▲	▲	▲			
Newton Car	▲	▲		▲	▲	▲	▲					
Balloon Staging		▲	▲					▲	▲	▲		
Rocket Transportation	▲	▲	▲					▲	▲			
Altitude Tracking		▲	▲					▲	▲	▲		
Bottle Rocket Launcher		▲	▲					▲	▲			
Bottle Rocket		▲	▲					▲	▲			
Project X-35	▲	▲	▲					▲	▲		▲	▲

Observing
 Communicating
 Measuring
 Collecting Data
 Inferring
 Predicting
 Making Models
 Making Graphs
 Hypothesizing
 Interpreting Data
 Controlling Variables
 Defining Operationally
 Investigating

Science Process Skills

Pop Can Hero Engine	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Rocket Racer	▲	▲	▲	▲	▲		▲	▲		▲	▲	▲
3-2-1 Pop!	▲	▲			▲		▲					
Antacid Tablet Race	▲	▲	▲	▲	▲	▲		▲	▲	▲	▲	▲
Paper Rockets	▲	▲	▲	▲	▲	▲	▲			▲	▲	▲
Newton Car	▲	▲	▲	▲	▲	▲		▲		▲	▲	▲
Balloon Staging	▲						▲				▲	
Rocket Transportation	▲	▲	▲	▲	▲	▲	▲			▲	▲	▲
Altitude Tracking	▲		▲	▲					▲			
Bottle Rocket Launcher			▲									
Bottle Rocket			▲				▲					
Project X-35	▲	▲	▲	▲	▲	▲	▲			▲	▲	▲



Mathematics Standards

	Problem Solving	Communication	Reasoning	Connections	Number & Number Relationships	Computation & Estimation	Patterns & Functions	Statistics	Probability	Geometry	Measurement	Functions	Trigonometry
Pop Can Hero Engine					▲	▲	▲			▲			
Rocket Racer	▲	▲	▲	▲	▲	▲	▲	▲		▲			
3-2-1 Pop!													
Antacid Tablet Race		▲		▲	▲	▲	▲			▲			
Paper Rockets	▲		▲	▲		▲	▲	▲					
Newton Car	▲	▲		▲		▲	▲	▲		▲			
Balloon Staging													
Rocket Transportation	▲	▲	▲	▲	▲					▲			
Altitude Tracking		▲	▲	▲	▲	▲				▲	▲		▲
Bottle Rocket Launcher				▲						▲			
Bottle Rocket				▲						▲	▲		
Project X-35	▲	▲	▲		▲	▲				▲	▲		▲

