

Course Title Physical Science		District Reference 221	
Unit No 1	Unit Title Unit 1: Energy and Motion (Ch. 1, 2, 3, 4, 5, & 6)	Time Frame 49 days	
State Standard Reference Numbers Addressed: 1.1.1, 1.1.2, 1.2.1, 1.2.2, 1.2.3, 1.3.1, 1.3.2, 1.3.3, 1.6.1, 1.6.2, 1.6.3, 1.6.4, 1.6.5, 1.6.6, 1.6.7, 1.8.1, 2.2.1, 2.3.1, 2.3.2, 5.2.1, 5.2.2, 5.2.3			
Chapter : Section	Performance Objective	Resource Reference	Assessment Correlation
1.1: Methods of Science	1. Identify the steps used to solve problems. 2. Describe the use of variables. 3. Compare science and technology.	Glencoe: Physical Science	a. Worksheet 1.1: The Methods of Science
Chapter : Section	Performance Objective	Resource Reference	Assessment Correlation
1.2: Standards of Measurement	1. Name prefixes used in SI. 2. Identify SI units and symbols. 3. Convert related SI units.	Glencoe: Physical Science	a. Worksheet 1.2: Standards of Measurement
Chapter : Section	Performance Objective	Resource Reference	Assessment Correlation
1.3: Communicating with Graphs	1. Identify three types of graphs. 2. Distinguish between dependent and independent variables. 3. Analyze data using various graphs.	Glencoe: Physical Science	a. Ch. Review b. Lab – Measurement c. Chapter Test
Chapter : Section	Performance Objective	Resource Reference	Assessment Correlation
2.1: Describing Motion	1. Distinguish between distance and displacement. 2. Explain the difference between speed and velocity. 3. Interpret motion graphs.	Glencoe: Physical Science	a. Worksheet 2.1: Describing Motion b. Lab – Bowling Ball Activity c. Launch Lab pg.37
Chapter : Section	Performance Objective	Resource Reference	Assessment Correlation
2.2: Acceleration	1. Identify how acceleration, time, and velocity are related. 2. Explain how positive and negative acceleration affect motion. 3. Describe how to calculate the acceleration of an object.	Glencoe: Physical Science	a. Worksheet 2.2: Acceleration
Chapter : Section	Performance Objective	Resource Reference	Assessment Correlation
2.3: Motion and Forces	1. Explain how force and motion are related. 2. Describe inertia and how it relates to Newton's first law of motion. 3. Identify the forces and motion present in a car crash.	Glencoe: Physical Science	a. Worksheet Ch.2: Note-Taking b. Worksheet 2.3: Acceleration, Motion, and Forces c. Lab – Force & Acceleration d. Ch.2 Review e. Chapter Test