Name: Kristoffer Van Atten	Grading Quarter: Q2	Week Beginning: October 14, 2024
School Year: 2024-25	Subject: 8th Grade Physical Science	

Monday	Notes:	No School- PD Day	Academic Standards:
Tuesday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L1: Kinetic Energy SWBAT explore the definition of kinetic energy by analyzing and interpreting data they gather as they investigate proportional relationships among kinetic energy, mass, and speed. Lesson Overview: Students will encounter phenomenon and answer questions about amusement park rides and discover how energy is associated Students will discover if soccer balls have energy and what factors determine how far they can move a ball.	Academic Standards: NGSS: MS-PS3-1,2,5 AzSS: 8.P1U1.3,5
Wednesday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L1: Kinetic Energy SWBAT explore the definition of kinetic energy by analyzing and interpreting data they gather as they investigate proportional relationships among kinetic energy, mass, and speed. Lesson Overview: Students will perform investigations and labs on the relationship between mass and kinetic energy	Academic Standards: NGSS: MS-PS3-1,2,5 AzSS: 8.P1U1.3,5
Thursday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L1: Kinetic Energy SWBAT explore the definition of kinetic energy by analyzing and interpreting data they gather as they investigate proportional relationships among kinetic energy, mass, and speed. Lesson Overview: Students will perform investigations and labs on the relationship between speed and kinetic energy	Academic Standards: NGSS: MS-PS3-1,2,5 AzSS: 8.P1U1.3,5
Friday	Notes:	Nexus Coalition Presentation	

Name: Kristoffer Van Atten		Grading Quarter: Q2	Week Beginning: October 21, 2024
School Year: 2024 - 25		Subject: 8th Grade Science – Physical Science	
Monday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L1: Kinetic Energy SWBAT explore the definition of kinetic energy by analyzing and interpreting data they gather as they investigate proportional relationships among kinetic energy, mass, and speed. Lesson Overview: Students will determine that the relationship between KE and speed is also proportional, but to the square of the speed (velocity)	Academic Standards: NGSS: MS-PS3-1,2,5 AzSS: 8.P1U1.3,5
Tuesday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L1: Kinetic Energy SWBAT explore the definition of kinetic energy by analyzing and interpreting data they gather as they investigate proportional relationships among kinetic energy, mass, and speed. Lesson Overview: Students will review the lesson and complete a formative assessment on lesson 1	Academic Standards: NGSS: MS-PS3-1,2,5 AzSS: 8.P1U1.3,5
Wednesday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L2: Potential Energy SWBAT explore the definition of potential energy by analyzing and interpreting data they gather as they investigate how position affects potential energy. Lesson Overview: Students will perform investigations and labs on the relationship between position and potential energy	Academic Standards: NGSS: MS-PS3-1,2,5 A-C AzSS: 8.P1U1.3,5
Thursday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L2: Potential Energy SWBAT explore the definition of potential energy by analyzing and interpreting data they gather as they investigate how position affects potential energy. Lesson Overview: Students will perform investigations and labs on the relationship between position and potential energy	Academic Standards: NGSS: MS-PS3-1,2,5 A-C AzSS: 8.P1U1.3,5
Friday	Notes:	Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M2: Mechanical Energy; L2: Potential Energy SWBAT explore the definition of potential energy by analyzing and interpreting data they gather as they investigate how position affects potential energy. Lesson Overview: Students will review the lesson and complete a formative assessment on lesson 2	Academic Standards: NGSS: MS-PS3-1,2,5 A-C AzSS: 8.P1U1.3,5