Name: Federico			Quarter: 4th	Week Beginning: Week 6 April 21-25	
School Year: 2024-2025			Subject: Math		
Monday	Notes:	Objective: Students will be able to object. Lesson Overview: Kinetic energy Potential ener Energy can ch object's motic STEM Project I Goals: Working collab Construct an il Develop an un world scenaric Construct a mo construction d Use the potent each scenario. Article on gen Put students i Use the math formula Page 1 in packet	o define and explain potential r is the energy of motion gy is stored in an object ange between potential on. Marble Roller Coaster poratively in a group to p lustration of model derstanding of kinetic ar odel of a roller coaster an esigns tial energy formula to ca eration genius and revie nto groups for kinetic and potential	ential and kinetic energy in an n. t based on its position. I and kinetic based on an problem solve nd potential energy in a real- nd test theories of potential lculate potential energy in ew notes energy for a rollercoaster	Academic Standards: 6.P4U2.5 6.P2U1.4 6.P1U1.1 MS- ETS1-2 MS-ETS1-3 MS- PS2-2 MS-PS2-4 MS- PS2-5 MS-PS3-1MS- PS3-2 MS-PS3-5

	Notes:	Objective:	Academic
Tuesday		Students will be able to define and explain potential and kinetic energy in an	Standards:
		object.	6.P4U2.5 6.P2U1.4
		 Kinetic energy is the energy of motion. Potential energy is stored in an object based on its position. Energy can change between potential and kinetic based on an object's motion. 	6.P1U1.1 MS- ETS1-2
			MS-ETS1-3 MS- PS2-2
		STEM Project Marble Roller Coaster	MS-PS2-4 MS- PS2-5
		Goals: 1. Working collaboratively in a group to problem solve	MS-PS3-1MS- PS3-2
		 Construct an illustration of model Develop an understanding of kinetic and potential energy in a real- world scenario 	MS-PS3-5
		 Construct a model of a roller coaster and test theories of potential construction designs 	
		 Use the potential energy formula to calculate potential energy in each scenario. 	
		Article on generation genius and review notes Put students into groups	
		Use the math formula for kinetic and potential energy for a rollercoaster	
		Page 2 and 4	

	Notes	Objective:	Academic
Wednesday		Students will be able to define and explain potential and kinetic energy in an	Standards:
		 object. Lesson Overview: Kinetic energy is the energy of motion. Potential energy is stored in an object based on its position. Energy can change between potential and kinetic based on an object's motion. STEM Project Marble Boller Coaster 	6.P4U2.5 6.P2U1.4
			6.P1U1.1 MS- ETS1-2
			MS-ETS1-3 MS- PS2-2
		Goals:	MS-PS2-4 MS- PS2-5
		 Working collaboratively in a group to problem solve Construct an illustration of model Develop an understanding of kinetic and potential energy in a real- world scenario Construct a model of a roller coaster and test theories of potential 	MS-PS3-1MS- PS3-2 MS-PS3-5
		5. Use the potential energy formula to calculate potential energy in each scenario.	
		Article on generation genius and review notes Put students into groups	
		Use the math formula for kinetic and potential energy for a rollercoaster	
		Construction day	

	Notes:	Objective:	Academic
Thursday		Students will be able to define and explain potential and kinetic energy in an	Standards:
		object.	6.P4U2.5 6.P2U1.4
		 Kinetic energy is the energy of motion. Potential energy is stored in an object based on its position. Energy can change between potential and kinetic based on an object's motion. 	6.P1U1.1 MS- ETS1-2
			MS-ETS1-3 MS- PS2-2
		STEM Project Marble Roller Coaster	MS-PS2-4 MS- PS2-5
		Goals:	MS-PS3-1MS- PS3-2
		 Construct an illustration of model Develop an understanding of kinetic and potential energy in a real- 	MS-PS3-5
		 world scenario 4. Construct a model of a roller coaster and test theories of potential construction designs 	
		 Use the potential energy formula to calculate potential energy in each scenario. 	
		Article on generation genius and review notes Put students into groups	
		Use the math formula for kinetic and potential energy for a rollercoaster	
		Construction day and Final marble run	

	Notes:	Objective: Students will be able to define and explain potential and kinetic energy in an	6.P4U2.5
Friday		 bit dents will be able to denne and explain potential and knette energy in an object. Lesson Overview: Kinetic energy is the energy of motion. Potential energy is stored in an object based on its position. Energy can change between potential and kinetic based on an 	6.P2U1.4 6.P1U1.1 MS- ETS1-2 MS-ETS1-3 MS- PS2-2
		object's motion. STEM Project Marble Roller Coaster	MS-PS2-4 MS- PS2-5
		oals: 1. Working collaboratively in a group to problem solve	MS-PS3-1MS- PS3-2
		 Construct an illustration of model Develop an understanding of kinetic and potential energy in a real- world scenario Construct a model of a roller coaster and test theories of potential construction designs Use the potential energy formula to calculate potential energy in each scenario. 	MS-PS3-5
		Article on generation genius and review notes Put students into groups Use the math formula for kinetic and potential energy for a rollercoaster	
		Page 3 and 5 in packet	