

WEEK OF Feb 10th-- February 14th, 2025

COURSE: 8th Grade ADV Science		TEACHER: Turner		PERIODS: 1, 3, 4, 5, 6		
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	<p>Calculate force, mass, or acceleration using 2nd law formula.</p> <p>Define Newton's 3rd law of motion.</p> <p>Demonstrate Newton's 3rd law of motion.</p> <p>Describe the Law of Conservation of Momentum.</p> <p>Explain & demonstrate how momentum is conserved in collisions.</p> <p>Differentiate between elastic & inelastic collisions.</p>	<p>GEN BR: 3rd law questions</p> <p>ADV BR: Newton's Laws questions</p> <p>Students will:</p> <p>GEN: Discuss the conservation of momentum in collisions; discuss the difference between elastic & inelastic collisions; calculate momentum of an object & of objects in a collision; complete Collisions Worksheet & Newton's Laws Sort</p> <p>ADV: Complete 2nd Law Practice Problems; discuss Unit 5 notes p.17 - Newton's 3rd Law, momentum, law of conservation of momentum, elastic & inelastic collisions; begin 3rd Law Stations lab; Momentum worksheet for HW.</p>	<p>Newton's Laws Sort</p> <p>2nd Law Practice Problems</p> <p>E3/A+ Unit 5 Notes</p> <p>3rd Law Stations lab</p> <p>Study Guide</p>	<p>Finish any unfinished classwork</p> <p>ADV: Review Checklist</p> <p>GEN: Review for Newton's Laws test Wednesday & organize NB for test Thursday</p> <p>ADV: Review for Unit 5 Part 2 Test Wednesday organize for NB test Thursday</p>	<p>Open NB vocabulary test</p>	<p>ACOS:</p> <p>8. Use Newton's first law to demonstrate & explain that an object is either at rest or moves at a constant velocity unless acted upon by an external force.</p> <p>9. Use Newton's second law to demonstrate & explain how changes in an object's motion depend on the sum of the external forces on the object & the mass of the object.</p> <p>10. Use Newton's third law to design a model to demonstrate and explain the resulting motion of two colliding objects.</p> <p>12. Construct an argument from evidence explaining that fields exist between objects exerting forces on each other even when the objects are not in contact.</p>

T U E S	<p>Define Newton's 3rd law of motion.</p> <p>Demonstrate Newton's 3rd law of motion.</p> <p>Describe the Law of Conservation of Momentum.</p> <p>Explain & demonstrate how momentum is conserved in collisions.</p> <p>Differentiate between elastic & inelastic collisions.</p> <p>Review Newton's 3 Laws</p>	<p>GEN BR: Review questions</p> <p>ADV BR: Momentum questions</p> <p>Students will:</p> <p>GEN: Complete Around the Room Circuit; complete Newton's Laws Escape Room; begin working on Newton's Laws Study Guide.</p> <p>ADV: Review Momentum worksheet; complete Checkpoint 5.8; finish 3rd Law stations lab; complete Newton's Laws Sort; complete Around the Room circuit.</p>	<p>Around the Room Circuit</p> <p>Newton's Laws Escape Room</p> <p>Newton's Laws Study Guide</p> <p>E3/A+ Checkpoint 5.8</p> <p>3rd Law stations lab</p> <p>Newton's Laws Sort</p>	<p>Finish any unfinished classwork</p> <p>GEN: Review for Newton's Laws test Wednesday & organize NB for test Thursday</p> <p>ADV: Review for Unit 5 Part 2 Test Wednesday organize for NB test Thursday</p>	Participation; lab	<p>ACOS:</p> <p>8. Use Newton's first law to demonstrate & explain that an object is either at rest or moves at a constant velocity unless acted upon by an external force.</p> <p>9. Use Newton's second law to demonstrate & explain how changes in an object's motion depend on the sum of the external forces on the object & the mass of the object.</p> <p>10. Uaw Newton's third law to design a model to demonstrate and explain the resulting motion of two colliding objects.</p> <p>12. Construct an argument from evidence explaining that fields exist between objects exerting forces on each other even when the objects are not in contact.</p>
W E D	Review Newton's Laws objectives	<p>GEN BR: Review questions</p> <p>ADV BR: Review questions</p> <p>Students will:</p> <p>GEN: Complete Vocab quiz; correct Newton's Laws Study Guide; review for Newton's Laws test tomorrow.</p> <p>ADV: Finish circuit; complete Newton's Laws Escape Room; review for Unit 5 Part 2 test tomorrow.</p>	Test	<p>Finish any unfinished classwork</p> <p>GEN: Review for Newton's Laws test Wednesday & organize NB for test Thursday</p> <p>ADV: Review for Unit 5 Part 2 Test Wednesday organize for NB test Thursday</p>	Participation;	<p>ACOS:</p> <p>8. Use Newton's first law to demonstrate & explain that an object is either at rest or moves at a constant velocity unless acted upon by an external force.</p> <p>9. Use Newton's second law to demonstrate & explain how changes in an object's motion depend on the sum of the external forces on the object & the mass of the object.</p> <p>10. Uaw Newton's third law to design a model to demonstrate and explain the resulting motion of two colliding objects.</p> <p>12. Construct an argument from evidence explaining that fields</p>

						exist between objects exerting forces on each other even when the objects are not in contact.
T H U R S	Demonstrate knowledge of Newton's Laws of Motion.	<p>GEN BR: Review questions</p> <p>ADV BR: Review questions</p> <p>Students will:</p> <p>GEN: Complete Newton's Law Test; organize NB for NB test tomorrow.</p> <p>ADV: Complete Unit 5 Part 2 Test; organize NB for Unit 5 NB test tomorrow.</p>	<p>Newton's Laws NB Test</p> <p>Unit 5 Part 2 NB Test</p>	Finish any unfinished classwork	Test	<p>ACOS:</p> <p>8. Use Newton's first law to demonstrate & explain that an object is either at rest or moves at a constant velocity unless acted upon by an external force.</p> <p>9. Use Newton's second law to demonstrate & explain how changes in an object's motion depend on the sum of the external forces on the object & the mass of the object.</p> <p>10. Uaw Newton's third law to design a model to demonstrate and explain the resulting motion of two colliding objects.</p> <p>12. Construct an argument from evidence explaining that fields exist between objects exerting forces on each other even when the objects are not in contact.</p>
F R I	Demonstrate organizational skills.	<p>GEN BR: Review questions</p> <p>ADV BR: Review questions</p> <p>Students will:</p> <p>GEN: Complete Newton's Laws NB Test; make a new title page & table of contents for Energy unit; complete vocabulary for Ch. 3 Lesson 1 & Ch. 5 Lesson 2.</p> <p>ADV: Complete Unit 5 NB Test;</p>	Begin Title page, TOC, and vocabulary for Energy	Finish any unfinished classwork	NB Test	<p>ACOS:</p> <p>8. Use Newton's first law to demonstrate & explain that an object is either at rest or moves at a constant velocity unless acted upon by an external force.</p> <p>9. Use Newton's second law to demonstrate & explain how changes in an object's motion depend on the sum of the external forces on the object & the mass of the object.</p> <p>10. Uaw Newton's third law to design a model to demonstrate and explain</p>

		make a new title page & table of contents for Unit 6 - Energy.				the resulting motion of two colliding objects. 12. Construct an argument from evidence explaining that fields exist between objects exerting forces on each other even when the objects are not in contact.
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