WEEK OF March 3-7th, 2025

COURSE: 8th Grade Gen/ADV Science	TEACHER: Turner	PERIODS: 1, 3, 4, 5, 6

	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	Describe electric and magnetic forces. **Review Energy objectives.**	**GEN BR**: Review questions **ADV BR:** Review questions **Students will:** **GEN:** Complete vocabulary for Ch. 19 & Ch. 20 Lessons 1 & 2; watch Bill Nye - Electricity video & answer video question sheet. **ADV:** Complete Energy Circuit; review equations used in Unit 6; review for Unit 6 Test.	McGraw-Hill Physical Science textbook Bill Nye video & video sheet Energy Circuit	Finish any unfinished classwork **ADV: Review for Unit 6 NB Test Wednesday, Unit Test Thursday**	Participation	ACOS: 13. Create & analyze graphical displays of data to illustrate the relationships of kinetic energy to the mass and speed of an object. 14. Use models to construct an explanation of how a system of objects may contain varying types and amounts of potential energy. 15. Analyze & interpret data from experiments to determine how various factors affect energy transfer as measured by temperature. 16. Apply the law of conservation energy to develop arguments supporting the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
TUES	Review Energy Objectives Gen: Complete Study Guide Get NB together for NB Test Advanced: Go over Checklist Get NB together for NB Test	**GEN BR**: Review questions **ADV BR:** Review questions **Students will:** **GEN:** Complete vocabulary for Ch. 19 & Ch. 20 Lessons 1 & 2; watch Bill Nye - Electricity video & answer video question sheet. **ADV:** Complete Energy Circuit;	Unit 6 Test	Finish any unfinished classwork **ADV: Organize NB for Unit 6 NB Test tomorrow.**	Participation; test	ACOS: 13. Create & analyze graphical displays of data to illustrate the relationships of kinetic energy to the mass and speed of an object. 14. Use models to construct an explanation of how a system of objects may contain varying types and amounts of potential energy. 15. Analyze & interpret data from experiments to

	Identify the parts of a circuit. Differentiate between an open and a closed circuit. Demonstrate knowledge of energy.	review equations used in Unit 6; review for Unit 6 Test.				determine how various factors affect energy transfer as measured by temperature. 16. Apply the law of conservation energy to develop arguments supporting the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
WED	After Test: Identify the parts of a circuit. Differentiate between an open and a closed circuit. Differentiate between a series and a parallel circuit. Demonstrate organizational skills.	**GEN BR**: Circuit questions **ADV BR:** Review questions **Students will:** **GEN:** Complete Series & Parallel Circuit notes; complete Series & Parallel Bulb Sort; complete Series & Parallel Worksheet. **ADV:** Complete Unit 6 NB Test; make a new title page & table of contents for Electricity unit.	Series & Parallel Circuit notes Series & Parallel Bulb Sort Series & Parallel Worksheet Unit 6 NB TEST	Finish any unfinished classwork	Participation; NB test	ACOS: 13. Create & analyze graphical displays of data to illustrate the relationships of kinetic energy to the mass and speed of an object. 14. Use models to construct an explanation of how a system of objects may contain varying types and amounts of potential energy. 15. Analyze & interpret data from experiments to determine how various factors affect energy transfer as measured by temperature. 16. Apply the law of conservation energy to develop arguments supporting the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
THURS	Calculate Ohm's Law. Describe electric and magnetic forces. Identify the parts of a circuit. Differentiate between an open and a closed circuit.	**GEN BR**: Electricity questions **ADV BR:** Electricity questions **Students will:**	Ohm's Law sheet Will it Light? Activity Electricity Article & questions	Finish any unfinished classwork Unit Test	Participation	ACOS: 13. Create & analyze graphical displays of data to illustrate the relationships of kinetic energy to the mass and speed of an object. 14. Use models to

	Differentiate between a series and a parallel circuit.	**GEN:** Discuss Ohm's Law and how to use the equation for Ohm's Law; complete Ohm's Law sheet; complete Will it Light? Activity; complete Electricity article & questions. **ADV:** Watch Bill Nye - Electricity video & answer video question sheet; complete Electric Current notes; complete Open & Closed Circuits worksheet; complete Series & Parallel Circuit notes.	Bill Nye - Electricity video & video sheet Electric Current notes Open & Closed Circuits worksheet Series & Parallel Circuit notes Unit Test			construct an explanation of how a system of objects may contain varying types and amounts of potential energy. 15. Analyze & interpret data from experiments to determine how various factors affect energy transfer as measured by temperature. 16. Apply the law of conservation energy to develop arguments supporting the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
F R I	½ Day for Students Calculate Ohm's Law. Describe electromagnetism and how to make an electromagnet. Describe electric and magnetic forces. Identify the parts of a circuit. Differentiate between an open and a closed circuit. Differentiate between a series and a parallel circuit.	New Title page, New TOC, and New Vocabulary	Magnetism video Whose Field Line is it Anyway? Lab Magnetism Article & questions Series & Parallel Bulb Sort Series & Parallel worksheet Ohm's Law Sheet Will it Light? activity	New Title page, New TOC, and New Vocabulary	Participation	ACOS: 13. Create & analyze graphical displays of data to illustrate the relationships of kinetic energy to the mass and speed of an object. 14. Use models to construct an explanation of how a system of objects may contain varying types and amounts of potential energy. 15. Analyze & interpret data from experiments to determine how various factors affect energy transfer as measured by temperature. 16. Apply the law of conservation energy to develop arguments supporting the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
