

Name: 4 th grade	Subject: Science	Grade: 4th	Unit: Electricity & Magnetism	Date: 4/9/13-4/12/13
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
SOL & Student Objective: No School	SOL & Student Objective: The student will investigate and understand the characteristics of electricity. Key concepts include: e) simple electromagnets and magnetism	SOL & Student Objective: The student will investigate and understand the characteristics of electricity. Key concepts include: e) simple electromagnets and magnetism	SOL & Student Objective: The student will investigate and understand the characteristics of electricity. Key concepts include: e) simple electromagnets and magnetism	SOL & Student Objective: The student will investigate and understand the characteristics of electricity. Key concepts include: e) simple electromagnets and magnetism
Materials:	Materials: interactive notes, electricity Study Jam	Materials: Brain Pop: Electromagnets Magnets, science journals	Materials: will vary according to teacher selections	Materials: will vary according to teacher selections
Key Vocabulary:	Key Vocabulary: electrons, magnets, electromagnetism, current, magnetic field	Key Vocabulary: electrons, magnets, electromagnetism, current, magnetic field, solenoid	Key Vocabulary: electrons, magnets, electromagnetism, current, magnetic field, solenoid	Key Vocabulary: electrons, magnets, electromagnetism, current, magnetic field, solenoid
<i>Lesson Outline/Notes:</i>	<i>Lesson Outline/Notes:</i>	<i>Lesson Outline/Notes:</i>	<i>Lesson Outline/Notes:</i>	<i>Lesson Outline/Notes:</i>
Lesson: No School	Lesson: Remind students what they learned about electricity the week before break with the Electricity	Lesson: Introduce electromagnets with the Brain Pop. Stop the video periodically to check for	Lesson: Teacher will select appropriate hands on activities according to student needs and interests.	Lesson: Cards Quiz. Teacher will select

	<p>Study Jam.</p> <p>Assess students' existing knowledge of magnetism with a KWL, brain splat, or similar activity.</p> <p>Pass out 2 pages of interactive notes on Electromagnetism. Have students trim, glue, and highlight the notes. Read the notes as a class and discuss areas of potential confusion as well as those of major importance. Have students illustrate notes.</p>	<p>comprehension and to emphasize important points. Stop the video (1:18) to allow students to draw a diagram of a magnetic field created using an electric current in their journals. Stop again at 2:05 to allow students to note the difference between electromagnets and regular magnets.</p> <p>Review notes on Michael Faraday.</p> <p>Give each student a magnet. Allow them a few minutes to explore with the magnet, determining what materials react to magnets and which ones don't. Have students share their discoveries and demonstrate how to organize and present their findings with a simple table.</p>	<p>Activities may include but are not limited to: Electricity and Magnetism Activity board, Build an Electromagnet Lab, Magnetism review games.</p>	<p>appropriate hands on activities according to student needs and interests. Activities may include but are not limited to: Electricity and Magnetism Activity Board, Build an Electromagnet Lab, Magnetism review games.</p> <p>Review for Monday's quiz. Make sure each notebook is properly illustrates and the students have recorded information about their hands on activities. Send notebooks home over the week.</p>
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Evaluation/Assessment:	Evaluation/Assessment: Formative: student responses to initial knowledge assessment.	Evaluation/Assessment: Formative: completion of notes in science journal.	Evaluation/Assessment: Will vary according to activities chosen.	Evaluation/Assessment: Formative: Answers given during review activities.
My changes to the lesson	My changes to the lesson I will keep the KWL chart as well as the notes. I will also do the review at the beginning. However, I will also show a Study jams on magnets to show some pictures.	My changes to the lesson I will not change this lesson.	My changes to the lesson I will give morning work on magnetism. I will also complete the electromagnet activity with the students.	My changes to the lesson I will complete a magnetism review. I will also review the student's magnet study guide to prepare them for their quiz on Monday.

Blooms Taxonomy (Key Words to use when lesson planning)

Remember- choose, describe, define, identify, label, list, locate, match, memorize, name, omit, recite, recognize, select, state

Understand- classify, defend, demonstrate, distinguish, explain, express, extend, give example, illustrate, indicate, interrelate, interpret, infer, judge, match, paraphrase, represent, restate, rewrite, select

Apply- apply, choose, dramatize, explain, generalize, judge, organize, paint, prepare, produce, select show, sketch, solve, use

Analyze- analyze, categorize, classify, compare, differentiate, distinguish, identify, infer, point out, select, subdivide, survey

Evaluate- appraise, judge, criticize, defend, compare

Create- choose, combine, compose, construct, create, design, develop, do, formulate, hypothesize, invent, make, make up, originate, organize, plan, produce, role play, tell

Marzano Strategies-

Identify Similarities and Differences

Summarizing and Note taking

Reinforce Effort & Recognition

Homework and Practice

Nonlinguistic Representations

Cooperative Learning

Set Objectives/Provide Feedback

Generating/ Testing Hypothesis

Questions/Ques/Advanced Organizers