Physical Science Lesson Plans
4th Period, 10:55 – 11:45 AM
Quarter 4, Week 32
March 30 – April 3, 2020

Monday
March 30, 2020

Performance Standard	MS-PS3-3, MS-ETS4-1
Topic	Chapter Test
Specific Objectives	-assess proficiency

Bellringer:
Describe the advantage of using a parallel arrangement of decorative lights rather than a series arrangement.

Procedure:

- Chapter Test

Assessment:
Chapter Test

Tuesday
March 31, 2020

Performance Standard	MS-PS3-3, MS-ETS4-1
Topic	Magnets and Magnetic Field
Specific Objectives	1. What happens when the poles of two magnets are brought close together? 2. What causes a magnet to attract or repel another magnet? 3. How is Earth's magnetic field oriented?

Bellringer:
Research for the definition of paramagnetic, diamagnetic and ferromagnetic.

Procedure:

- Demosntrate: Creating a magnet
- Electronic copy of simulation lab worksheet is available in Edmodo.
- Simulation lab: Magnetic field at https://phet.colorado.edu/en/simulation/legacy/magnets-and-electromagnets

Assessment:
Lab rubric

Wednesday
April 1, 2020

Performance Standard	MS-PS3-3, MS-ETS4-1
Topic	Magnets and Magnetic Field
Specific Objectives	1. What happens when the poles of two magnets are brought close together? 2. What causes a magnet to attract or repel another magnet? 3. How is Earth's magnetic field oriented?

Bellringer:
Describe magnetic field lines between two unlike poles of a magnet.

Procedure:

- Continue working on a simulation lab: Magnetic field at https://phet.colorado.edu/en/simulation/legacy/magnets-and-electromagnets
- Discussion of the result
- Section 1: review

Assessment:

Lab rubric, section 1 review

Thursday
April 2, 2020

Performance Standard	MS-PS3-3, MS-ETS4-1
Topic	Magnetism from Electric Currents
Specific Objectives	1. What happens to a compass near a wire that is carrying a current? 2. Why are electric motors useful?

Bellringer:

Describe the possible outcome when two poles of two magnets are brought close together?

Procedure:

- Watch video 1: Uses of electromagnets at https://www.youtube.com/watch?v=B8d-Nb58IqY
- Watch video 2: Electromagnetism at https://www.youtube.com/watch?v=s94suB5uLWw
- Teaching key ideas: compass near a wire
- Silent reading on electromagnetic devices
- Formative assessment: Section 2 review (Edmodo)

Assessment:

Section review

Friday
April 3, 2020

Performance Standard	MS-PS3-3, MS-ETS4-1
Topic	Electric Currents form Magnetism
Specific Objectives	1. What happens when a magnet is moved into or out of a coil of wire? 2. How are electricity and magnetism related?

Bellringer:

Why electromagnets are better than the natural magnets?

Procedure:

- Demonstration: generator
- Watch video clip about electromagnetic induction at https://www.youtube.com/watch?v=yA8gZM3fghc
- Simulation lab at https://phet.colorado.edu/en/simulation/faraday

Assessment:

Lab rubric