

	TASK TITLE	OBJECTIVE/TYPE	STANDARD & ELEMENT	MASTERED	NEED MORE TIME
	<b>NOTES</b>				
1.	<a href="#">Electric Charge PowerPoint</a> <i>(Must obtain guided notes from your teacher)</i>	Note Taking (PowerPoint)	S8P5c		
2.	<a href="#">Electric Circuits PowerPoint</a> <i>(Must obtain guided notes from your teacher)</i>	Note Taking (PowerPoint)	S8P5b		
3.	<a href="#">Magnetism PowerPoint</a> <i>(Must obtain guided notes from your teacher)</i>	Note Taking (PowerPoint)	S8P5c		
	<b>ASSIGNMENTS</b>				
4.	Electric and Magnetic Forces and the Modern Day Compass (Obtain from your teacher)	Reading Comprehension	S8P5		
5.	Electrical Charges Worksheet (Obtain from your teacher)				
6.	<a href="#">Charging Demonstration Video</a>	Technology	S8P5c		
7.	<a href="#">Bend Water Video Clip</a>	Technology	S8P5c		
8.	USATestPrep: (S8P5.a.) Gravitational Force	Technology	S8P5a		
9.	Why do both the moon and the earth pull on the spaceship the entire time? Why must you be closer to the moon before the pull of the earth and moon are equal?	Written Expression	S8P5a		
10	Electricity & Energy - Circuits	Reading Comprehension	S8P5b		
11	USATestprep: (S8P5.b.) Series And Parallel Circuits	Technology	S8P5b		
12	<p><b>CHOOSE ONE:</b> The circuit shown in the picture can be broken in four places. Which places can the circuit be broken and still have at least one light stay lit? How do you know?</p> <p><b>CHOOSE ONE:</b> Explain in which way the electric circuits in your house must be connected and why this type of circuit is used?</p> <p><b>CHOOSE ONE:</b> Why does the coil of wire spin when current is applied to the armature? Why does the magnet not move?</p>	Written Expression	S8P5b		

	<b>CHOOSE ONE:</b> Consider the image of Earth's magnetic field. Think about how this is like a simple bar magnet you use in class. Make a list of similarities. Include 3 points.				
13	Circuit Sort Activity (Obtain from your teacher)		S8P5b		
14	USATestPrep: (S8P5.c.) Electric Currents And Magnets	Technology	S8P5c		
15	Circuits What's Wrong? (Obtain from your teacher)		S8P5b		
16	<a href="#">Bill Nye: Magnetism Video</a>	Technology	S8P5c		
<b>PROJECTS</b>					
17	<a href="#">Design A Circuit Board</a> <ul style="list-style-type: none"> <li><a href="#">Video</a></li> <li><a href="#">Series and Parallel Circuit Lab (shows helpful pictures)</a></li> </ul>	Technology	S8P5b		
<b>ASSESSMENTS</b>					
18	<a href="#">Electric Charges Formative Assessment #1</a>	Written Expression	S8P5c		
19	<a href="#">Electron Charge Summarizer</a>	Visual Literacy	S8P5c		
20	Electric Charge Worksheet (Must obtain from your teacher)	Written Expression	S8P5c		
21	Electricity and Magnetism (Foldable)	Visual Literacy	S8P5		
22	<a href="#">Circuits Formative Assessment #1</a>	Written Expression	S8P5b		
23	<a href="#">Circuits Summarizer</a>	Written Expression	S8P5b		
24	<a href="#">Currents and Magnets Summarizer</a>	Written Expression	S8P5 b and c		
25	<a href="#">Electricity and Magnetism Study Guide</a>	Written Expression	S8p5		
26	Extended Learning: Performance Task	Performance Task HIGHER LEVEL	S8P5		

\*As you finish a task, check in with the teacher\*

## PERFORMANCE TASK EXTENSION

**Option 1** - Explain that high-tension power lines are used to transmit electricity over long distances. Explain that the powerful electric current running through the wires produces strong electric and magnetic fields. These fields give off a type of energy called electromagnetic radiation (EMR). Some people and some scientists believe that prolonged exposure to EMR can cause health problems. Have students research the issue and create a health bulletin to present to the class.

**Option 2** - Given a particular place in the world, have students create a model of the most effective power plant for the area. Students should explain the choice of energy source, label the parts of the power plant and the parts of the generator and be prepared to defend their choice with data to support it.

**Option 3** - Have students research how electricity and magnetism are used in real world applications. Have the students research a topic of interest and create a presentation explaining how the invention uses electricity and magnetism, how it is useful, and how it has bettered human existence. Example topics could be the telephone, telegraph or MRI.