


Tic-Tac-Toe Menu: Electromagnetic

Directions: Choose activities in a tic-tac-toe design. When you have completed the activities in a diagonally, horizontally, or vertically, INCLUDING THE CENTER SQUARE—you may decide to be finished or you may decide to keep going and complete more activities for additional credit.

***This is a replacement project for a Class 1 grade or for an additional grade ***

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| <p>1. Follow the path of least resistance: Google how super conductors work create a poster with images, color and captions that explains how a super conductor works.</p> | <p>2. COMIC STRIP: create a comic strip about magnets, include vocab words: electromagnetism, magnetism, magnetic domain, magnetosphere and electromagnetic force , electromagnet, magnetic field. and electric motor.</p> | <p>3. OHM'S LAW: if you like Math, read the Ohm's Law skills and practice worksheet and do the practice problems on current, voltage and power. Read page 607 for extra help.</p> |
| <p>4. ELECTROMAGNETIC CONNECTION: use the electromagnetic connection handouts (on my website) to complete the activity and answer the questions. Answer the conclusion questions. Bring in pics or your electromagnet.</p> | <p>5. <i>EVERYONE MUST COMPLETE:</i> Read pages in the Electricity and Magnetism chapter in the book page 625-626 and pages 651-652 in complete sentences.</p>  | <p>6. Transmitting Electricity to a new school. Read pages 642-647. Complete the problem solving activity on transmitting electricity. Create a poster showing how electrical energy can be transmitted, where the school should be in Troup County and what types of transformers should be used.</p> |
| <p>7. PheT Activity: Circuit Construction https://phet.colorado.edu/en/simulation/circuit-construction-kit-dc-virtual-lab The worksheet is on my website.</p> | <p>8. Complete 2 of the static electricity experiments on my website.</p> | <p>9. VOCABULARY BLOCKS: Use at least 7 vocab words (look at front board) to create a table or a flip book that includes the definition of each word, a picture illustrating the meaning of the word, and the word used in a sentence.</p> |

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| 4 | You completed all three activities accurately and completely and successfully completed more activities |
| 3 | You completed all three activities accurately and completely |
| 2 | You completed 2 of 3 of the activities accurately and completely |
| 1 | You did not complete 2 of 3 of the activities accurately and completely |

Do you have ideas for alternate activities you'd like to do instead? Talk them over with your teacher.

I prefer to do the following alternate activities:

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