

NGSS MS-PS2-3

Curriculum Bundle

Electric and Magnetic Forces

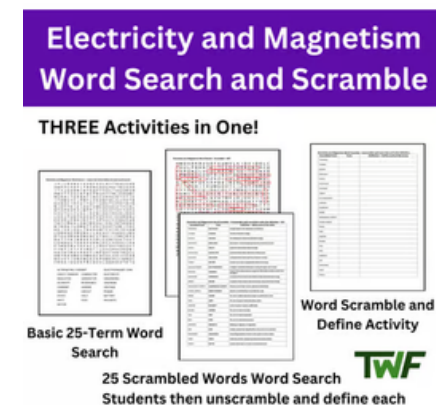
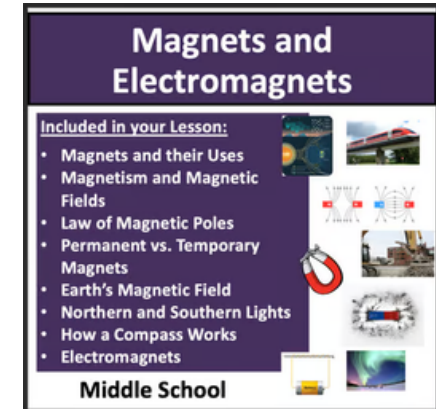
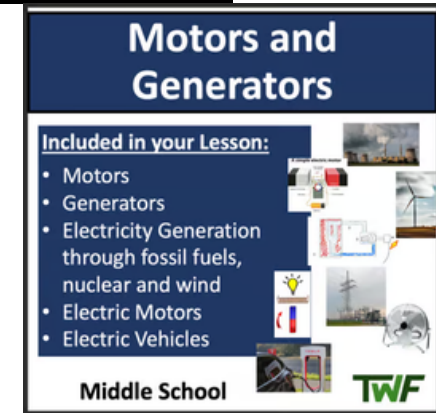
✓ 2 Lessons, 2 Activities

✓ Everything You Need to Teach NGSS MS-PS2-3



Resources Included

- ✓ 2 Lessons
- ✓ 2 Activities
 - Magnets and Electromagnets - Lesson
 - Motors and Generators – Lesson
 - Magnets and Electromagnets - Reading
 - Electricity and Magnetism Word Search and Scramble Activity



Everything You Need to Teach NGSS MS-PS2-3

Motors and Generators

Included in your Lesson:

- Motors
- Generators
- Electricity Generation through fossil fuels, nuclear and wind
- Electric Motors
- Electric Vehicles

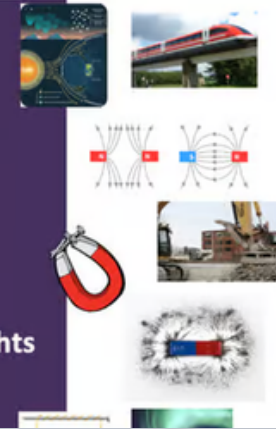


Middle School

Magnets and Electromagnets

Included in your Lesson:

- Magnets and their Uses
- Magnetism and Magnetic Fields
- Law of Magnetic Poles
- Permanent vs. Temporary Magnets
- Earth's Magnetic Field
- Northern and Southern Lights
- How a Compass Works
- Electromagnets



Middle School

Electricity and Magnetism Word Search and Scramble

THREE Activities in One!



Basic 25-Term Word Search

25 Scrambled Words Word Search
Students then unscramble and define each

TWF

Magnets and Electromagnets - Scientific Reading Comprehension Article



Improve your students **Scientific Literacy and Analysis Skills**, use as an **Emergency Substitute Plan** or create **Applicability** in your classroom

The Standard is Explained and the Resources it Incorporates are Outlined

California Preferred Integrated NGSS Course Model – Grade 8 MS PS2 Motion and Stability: Forces and Interactions

MS PS2-3: Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.

Examples of devices that use electric and magnetic forces could include electromagnets, electric motors, or generators. Examples of data could include the effect of the number of turns of wire on the strength of an electromagnet, or the effect of increasing the number or strength of magnets on the speed of an electric motor.

Assessment Boundary: Assessment about questions that require quantitative answers is limited to proportional reasoning and algebraic thinking.

Resources:

- Magnets and Electromagnets – Lesson
- Motors and Generators – Lesson
- Magnets and Electromagnets - Reading
- Electricity and Magnetism Word Search and Scramble Activity

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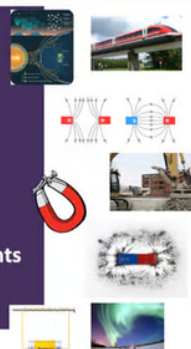
Middle School



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Middle School

Electricity and Magnetism Word Search and Scramble

THREE Activities in One!



Basic 25-Term Word Search

Word Scramble and Define Activity

25 Scrambled Words Word Search
Students then unscramble and define each



Who is this Bundle for?

- **Teachers who teach middle school science and use the NGSS**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**