Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_ Model Tracker Unit: Forces at a Distance

 What question is our model trying to answer? *How can a magnet move another object without touching I It?*

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| --- | --- | --- | --- | --- |
| Date | Lesson Question | Answer the question  | Evidence | Model |
|  | 1: What forces (s) causes a speaker to vibrate? |  |  |  |
|  | 2: What things can a magnet pull or push without touching? |  |  |  |
|  | 3: Can a magnet push and/or pull on a coil of copper wire? |  |  |  |
|  | 4: How can we switch back and forth between applying a pull vs a push on the coil of wire without flipping the magnet or the coil? |  |  |  |
|  | 5: How do the magnet and the wire work together to move the speaker? |  |  |  |
|  | 6: How can two magnets that are not touching put forces on one another? |  |  |  |
| Date | Lesson Question | Answer the question  | Evidence | Model |
|  | 7: How can we picture more about the space around the magnet? |  |  |  |
|  | 8: How do the directions of the forces in the field around a magnet change? |  |  |  |
|  | 9: How does distance from the magnet or between magnets affect the strength of forces on the magnets? |  |  |  |
|  | 10: What else determines the strength of the force on an object in a magnetic field? |  |  |  |
|  | 11. Write a summary of what you learned in this unit. Remember the key words. |  |  |  |