**7th Grade Final Science Project**

**“Build your Own Electric Motor”**

**I can’t believe we are so close to the end of the year. Wow, it has flown by!**

**For our last project, we are going to be building electric motors. The motors will be built at school during science class.**

**Students who bring in the materials will get to keep the motor they build, and will also receive extra credit.**

**I will provide the wire, both for the support/circuit and for the electromagnet. I will also provide the heavy duty staples to secure the heavy wire to the base.**

**We will begin constructing our magnets on *Monday 4/22/13.***

**Feel free to paint or decorate your piece of wood before you bring it to school. You can also decorate it with markers at school.**

**Students will need to provide the following to build and keep their own motor:**

**1. *2 x 4 Piece of Wood*. At least 6 inches long, no longer than 8 inches. If it is longer, we can cut them down to size here at school (I will teach the kids to use a hand saw).**

** 2x4 piece of wood.**

**2. *Ring magnet*. This is a flat ceramic magnet with the poles on the flat sides. Square/rectangular magnets will also work, as long as they are flat like a ring magnet. It does not have to have a hole in the middle.**

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**3. A *“D” battery* to power the motor.**

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