This is your weekly Science/STEAM Lesson Board for the weeks of October 4th – 15th, 2021.

This Weeks Focus is: Newton’s Law of Motion, Potential & Kinetic Energy and STEAM Experiment – Making a Balloon Car

Direction Instruction: Tuesday & Fridays with Mrs. Tremble

**Independent Instruction:** Monday, Wednesday & Thursdays YOU will complete All of the assignments on this Choice Board for a grade.

Standards:

I can statement: I will be able to define kinetic energy and describe why it is important.

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| Flocabulary:Watch the Video: [Newton’s Law of Motion](https://www.flocabulary.com/unit/motion/) | Complete the following:**Vocab Cards and Game** | Complete **Read and Respond** on the Hand-out that is attached. |
| Discovery Education:Watch these videos -Newton’s Law of MotionNewton’s 3rd Law | **Lesson:****Newton’s Law of Motion** | Discovery Education:Complete handout –“Did an Apple Really Hit Sir Isaac Newton? |
| Flocabulary: [Energy](https://www.flocabulary.com/unit/energy/)Watch the video, then complete the **Vocab Cards and Game**Handout of **Read and Respond** | Use each Vocabulary word in a sentence:1. Motion
2. Acceleration
3. Inertia
4. Potential energy
5. Kinetic energy

Then, create a Crossword Puzzle using the five Vocabulary Words | Discovery Education: Watch Videos about Energy and Potential and Kinetic Energy, then complete assigned lessons. |
| NASA: Sir Isaac Newton’s laws of motion explain the relationship between a physical object and the forces acting upon it. Understanding this information provides us with the basis of modern physics. Click the links and read all about, then try the experiment (2nd link)1. <https://www1.grc.nasa.gov/beginners-guide-to-aeronautics/newtons-laws-of-motion/>
2. video: <https://www.youtube.com/watch?v=-luKN6mad5w>
3. <https://www1.grc.nasa.gov/beginners-guide-to-aeronautics/ideal-flow-around-spinning-ball/#guide-to-investigate-the-flow-around-a-spinning-ball>
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Flocabulary Log in [www.flocabulary.com](http://www.flocabulary.com) : willis3984 / the password is apple6010

Discovery Education Log in [www.discoveryeducation.com](http://www.discoveryeducation.com) : use your assignment username, the

password is student1cpa

NASA Education: <https://www.nasa.gov/stem>