**ARC Week at Glance—Mrs. Hiatt**

**Topic:** Force and Motion **Course:** Physical Science **Grade:** 11 **Dates:** 3/17-3/22

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|  | **Learning Target**  **(I am learning about…)** | **Criteria for Success**  **(I can…)** | **Activation/ Instruction** | **Collaboration/ Guided Practice** | **Independent Learning/ Assessment** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* | | |
| **Monday** | I am learning about simple machines and work. | I can…   * Define Work as force multiplied by distance * Explain how simple machines aid in making work easier * Describe the types of simple machines and their mechanics | Do Now—Work warmup (How to make different situations easier) | Simple Machines Stations: Lever, Wheel and Axle, Inclined Plane, Wedge, Screw, and Pulley  Fill graphic organizer | TOTD: Questions on how different machines change force |
| **Tuesday** | I am learning about work and simple machines. | I can…   * Solve work equations * Explain how simple machines aid in making work easier * Describe the types of simple machines and their mechanics | Do Now—Review 6 types of simple machines, matching problems | How to solve for work and mechanical advantage math equations  Demonstration of how these change | Practice Math Problems |
| **Wednesday** | I am learning about Work and mechanical advantage. | I can…   * Solve work problems * Solve for mechanical advantage | Review definitions of work and mechanical advantage | Stations—solving for work and mechanical advantage based on different scenarios | Assessment Check: Math Problems |
| **Thursday** | I am learning about simple machines and mechanical advantage. | I can…   * Decide on a design and create catapult that will use different simple machines to effectively launch paint | Do Now—Review over simple machines, discuss catapult design and use | Brainstorm and sketch designs for catapult or other machine | TOTD: Design for machine |
| **Friday** | I am learning about simple machines and mechanical advantage. | I can…   * Create a catapult that will use different simple machines to effectively launch paint | Do Now—review mechanical advantage—find mechanical advantage of the catapult | Put together machinery using popsicle sticks, tape, glue, and other materials | Finished machine—will do test runs Monday |

Literacy Tasks Minor Assessment Major Assessment