**ARC Week at Glance**

**Topic: 1-D Motion and Relative Motion Course: AP Physics Grade: 10-12 Dates: 8/26\_8/30**

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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 how to calculate velocity and acceleration | I can calculate velocity, acceleration and displacement from word problems | AP Practice Question | Calculating velocity and acceleration from word problems practice |  |
| **Tuesday** | I am learning how to use mathematical reasoning and graphing skills to find velocity, displacement, and acceleration | I can calculate velocity, acceleration and displacement from word problems and graphs | AP Practice Question | Test Review | AP Practice Question |
| **Wednesday** |  |  | **Vectors, Velocity, Acceleration and Representing Motion graphically test** | **Vectors, Velocity, Acceleration and Representing Motion graphically test** | **Vectors, Velocity, Acceleration and Representing Motion graphically test** |
| **Thursday** | I am learning about the relative motion of an object | I can describe the relative motion of an object | Relative Motion Guided Practice | Data Collection:  https://ophysics.com/k11.html | Data Analysis |
| **Friday** | I am learning about the relative motion of an object | I can describe the relative motion of an object | **AP Practice Question- Relative Motion** | Relative Motion Practice Stations | CER: A boat is attempting to cross a river that flows with a uniform velocity of 3 m/s to the east. The boat can travel at a speed of 5 m/s relative to the water. The boat’s pilot aims to reach a point directly north of the starting point on the opposite bank of the river.  Determine the direction in which the boat must be steered relative to the water to reach the point directly north of the starting point. Provide a detailed explanation of your reasoning. |

\*\*Please highlight your literacy tasks, your major grades and your minor grades. I suggest color coding.