**ARC Week at Glance: AP Physics**

**Topic:** Lab Safety & Scientific Method **Course:** AP Physics  **Grade: 10-12 Dates: Aug 5 – Aug 9**

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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** |  |  | No High School Students |  |  |
| **Tuesday** | I am learning about rituals and routines.I am learning about natural selection.  | I can * Describe the rituals and routines in the AP Class
* Design and carry out a simple motion experiment
 | * Do Now – What are the steps of the Scientific Method?
* Student Index Cards

Rituals and Routines Presentation | Class discussion of Scientific MethodDesign a simple motion experiment to calculate speed. Gallery Walk  | Speed Data Table  |
| **Wednesday** | I am learning about lab safety and classroom procedures. | I can …* Discuss the importance of lab safety rules
* Know how to respond safely during any safety drill (fire, weather, lockdown, etc.)
* Analyze lab scenarios and identify lab safety rules that are not being followed
 | The Chaotic Chemistry Catastrophe Read and DiscussDistribute Lab Safety Contracts and Discuss Safety Expectations  | Read Lab Safety Contracts and Discuss White Board Collaboration – Brainstorm all lab safety rules you can rememberAnalyze Lab Safety Scenarios & discuss with collaborative groups  | CER TOTD:Data Analysis of Student Inquiry Lab |
| **Thursday** | I am learning about lab safety and scientific method. | I can …* Discuss the importance of lab safety rules
* Know how to respond safely during drills
* Use steps of the scientific method to identify a science fair topic
 | On Whiteboards- How could you modify your experiment to test for another variable?Discuss Science Fair Expectations and Steps for Topic Selection  | Science Fair Topic Selection Work Period – Background Research and Topic Brainstorming Science Fair Idea Exploration Worksheet | Think Pair Share Research and Topic Ideas to get peer feedback  |
| **Friday** | I am learning about lab safety and scientific method. | I can …* Demonstrate mastery of lab safety rules
* Use steps of the scientific method to identify a science fair topic
 | FRQ Friday Do Now – Lab Safety Review Lab Safety with Review Game (Blooket, Quizlet Live, etc) | Science Fair Topic Selection Work Period – Website Research Organizer | Lab Safety Test  |

Literacy Tasks Minor Assessment Major Assessment