**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 Method  Design 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 Discuss  Distribute Lab Safety Contracts and Discuss Safety Expectations | Read Lab Safety Contracts and Discuss  White Board Collaboration – Brainstorm all lab safety rules you can remember  Analyze 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