Unit 11: Electric Circuits Phy1A

- You should be spending at least 60 minutes a day on Physics Curriculum.
- Completing the note taking guide is required and printing the guide is highly recommended.
- Seeking help if you are not passing your post assessments and/or practices is essential.
- If you are behind you MUST spend additional time on Physics to catch up and meet due dates!
- If you cannot meet a due date, extensions must be requested and approval received in advance.
- To keep on track Unit 11 should be completed by March 12.

Complete Unit 11 Pretest

Unit 11 Vocabulary

Unit 11 Vocabulary is optional

Series Circuits Notes

• Complete note taking guide

Series Circuits Notes - Post Assessment

- take assessment after watching video notes and completing note taking guide
- must score a 80% or redo
- seek remediation if PA is not passed on 3rd attempt
- Pass by 2/25, end of class period

Series Circuits Practice

- will open up after scoring 80% on Series Circuits Notes post assessment
- must score a 65% or redo
- Pass both by 2/26, end of day

PHET Circuit Simulation Lab

- Use the PHET simulation Circuits Construction Kit to build series circuit models
- will open up after scoring 65% on Series Circuits Practice
- Answer the 16 follow up questions after completing the Simulation. Submit answers to the questions through Blackboard by 2/27, end of class period
- Lab report is NOT required for this lab.
- There are NO corrections accepted on this lab.

Parallel Circuits Notes

• Complete note taking guide

Parallel Circuits Notes - Post Assessment

- take assessment after watching video notes and completing note taking guide
- must score a 80% or redo
- seek remediation if PA is not passed on 3rd attempt
- Pass by 2/28, end of class period

Parallel Circuits Practice

- will open up after scoring 80% on Parallel Circuits Notes post assessment
- must score a 65% or redo Pass by 3/1, end of day

Comparing Circuits Notes

• Complete note taking guide

Comparing Circuits Notes - Post Assessment

- take assessment after watching video notes and completing note taking guide
- must score a 80% or redo
- seek remediation if PA is not passed on 3rd attempt
- Pass by 3/4, end of class period

Goals:

- 1. Use mathematics and computational thinking to determine the current, voltage difference or resistance when one or more of the variables is changed.
- 2. Use Ohm's Law to determine the relationship between current, voltage difference and resistance of both series circuits and parallel circuits.
- 3. Distinguish the difference between series circuits and parallel circuits.
- 4. Build both series and parallel circuits using small lamps. Model the use of appropriate equipment to measure amps and voltage of both circuits.

Comparing Circuits Practice

- will open up after scoring 80% on Comparing Circuits Notes post assessment
- must score a 65% or redo
- Pass by 3/5, end of day

Christmas Lights Lab

- Build series and parallel circuits
- will open up after scoring 74% on Parallel Circuits Practice
- Hand In Paper (completed with labels and data with units)
- Answer the 10 follow up questions after completing the lab.
 Submit answers to the questions through Blackboard for all by 3/8, end of class period
- Lab report is NOT required for this lab.

BONUS Optional Combination Circuits

- will open up after scoring 65% on Parallel Circuits Practice
- watch linked video for explanation and example problems
- must be completed in the classroom by 3/12

Optional Crib Sheet for Unit 11 Test

- When all practices are completed until a 65% or better is earned, you may use a "teacher guided" crib sheet.
- Complete crib sheet on 3/11 (or at least 1 day before test)
- Completed crib sheet must be given to teacher 1 day prior to the test and returned after the test.

Redo Practices for Review Submit Unit 11 Warm Ups on March 12

Unit 11 Test

- Test will open up after passing all Post Assessments and Practices and completing all Labs for this unit.
- Test should be taken by 3/12

Retake Unit 11 Test

- If you score below a 65% you must watch the video notes:
 - Complete note-taking guides for the unit and all practices in the unit again
 - o Seek remediation as needed
 - o Retake the Unit 9 Test and pass with a 65% or higher
 - COMPLETE the RETAKE as soon as possible to avoid falling behind in the next unit