

Unit 10: Electric Current

- 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 10 Test should be completed by February 20.

Goals:

1. I can use mathematics and computational thinking to determine the current, voltage difference or resistance when one or more of the variables is changed.
2. I can use Ohm's Law to determine the relationship between current, voltage difference and resistance.
3. I can calculate kWh of an appliance when given power consumption and usage.
4. I can project cost to use common household appliances for a year and determine which are the most efficient.

Complete Unit 10 Pretest

Unit 10 Vocabulary

- Unit 10 Vocabulary is optional

Electric Current & Ohm's Law Notes

- Complete note taking guide

Electric Current & Ohm's Law 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 2/11, end of class period

Current & Ohm's Law Practice

- will open up after scoring 80% on Electric Current post assessment
- must score a 74% or redo
- Pass both by 2/2, end of day

Ohm's Law Lab

- You may work with a small group (up to 3 students)
- Every student is responsible for collecting data, understanding the results, completing calculations, and analyzing the data.
- DO NOT copy another answer's for any portion of the lab report. Always submit your original work.
- Submit Lab Report by 2/13, 11:59 PM
- Refer to Scoring Rubric prior to submitting.
- Lab corrections will be accepted on a limited basis.

Electrical Power & Energy Notes

- Complete note taking guide

Electrical Power & Energy 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 2/14, end of class period

Electrical Power & Energy Practice

- will open up after scoring 80% on Electric Power & Energy Notes post assessment
- must score a 74% or redo
- Pass by 2/15, end of day

Optional Crib Sheet for Unit 10 Test

- When all practices are completed until a 74% or better is earned, you may use a "teacher guided" crib sheet.
- Pick up the crib sheet on 2/19 (or at least one day before the 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 10 Warm Ups on February 20

Unit 10 Test

- Test will open up after passing all Post Assessments and Practices and completing all Labs for this unit.
- Test should be taken by 2/20

Retake Unit 10 Test

- If you score below a 65% you must watch the video notes:
 - Seek remediation
 - Complete all post assessment and practices in the unit again
 - Retake the Unit 6 Test and pass with a 65% or higher
 - **COMPLETE the RETAKE as soon as possible to avoid falling behind in the next unit**

Electrical Energy Cost Comparison Project

- Work days are 2/19-2/22
- Work in groups of 3 to determine the cost of using common household appliances.
- Submit final project artifacts by 2/22, end of class period.
- Refer to Scoring Criteria prior to submitting.