

## **Unit 4: Gravity, Circular, Rotational and Planetary Motion**

- 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 4 should be completed by November 8.

### **Complete Unit 4 Pretest**

#### **Unit 4 Vocabulary**

- Unit 4 Vocabulary is optional

#### **Circular Motion & Centripetal Force Notes**

- Complete note taking guide

#### **Circular Motion 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 3<sup>rd</sup> attempt
- Pass by 10/25, end of class period

#### **Circular Motion & Centripetal Force Practice**

- 1) Circular Motion Concepts Practice
- 2) Circular Motion Problems Practice

- they will open up after scoring 80% on Circular Motion Notes post assessment
- must score a 74% or redo
- Pass both by 10/26, end of day

#### **Centripetal Force Lab**

- Lab should be completed in the classroom by 10/29
- Complete the lab as instructed.
- Submit answers to the questions through Blackboard for the lab, due 10/29 by 11:59 PM
- Lab report is NOT required for this lab.
- There are NO corrections accepted on this lab.

#### **Rotational Motion Notes**

- Complete note taking guide

#### **Rotational Motion Notes Post Assessment**

- must score a 80% or redo
- seek remediation if PA is not passed on 3<sup>rd</sup> attempt
- Pass by 10/30, end of class period

#### **Rotational Motion Practice**

- will open up after scoring 80% on Rotational Motion PA
- must score a 74% or redo
- Pass by 10/31, end of class period

#### **Center of Gravity Lab**

- Lab should be completed in the classroom by 11/1
- Submit Lab Report and Drawings by 11/1, 11:59 PM
- Refer to Scoring Rubric prior to submitting
- Lab corrections due 11/7, 11:59 PM

#### **Unit 4 Concept Quiz 1 (Centripetal Force, Center of Gravity, Circular and Rotational Motion)**

- Quiz should be taken in the classroom by 11/1
- Your printed notes may be used for reference
- If you score below a 65% you must re-watch video notes:
  - Seek remediation
  - Complete all post assessments and practices in the unit again
  - COMPLETE the RETAKE as soon as possible to avoid falling behind

#### **Universal Gravitation Notes**

- Complete note taking guide

#### **Universal Gravitation Post Assessment**

- take assessment after watch video notes and completing note taking guide
- must score a 80% or redo
- seek remediation if PA is not passed on 3<sup>rd</sup> attempt
- Pass by 11/5, end of class period

#### **Universal Gravitation Practice**

- 1) Universal Gravitation Concepts Practice
  - 2) Universal Gravitation Problems Practice
- they will open up after scoring 80% on Universal Gravitation Notes post assessment
  - must score a 74% or redo
  - Pass both by 11/6, end of day

#### **BONUS LESSON ON SATELLITE MOTION**

##### **Satellite Motion Notes**

- Complete note taking guide

##### **Satellite Post Assessment**

- must score a 80% or redo
- seek remediation if PA is not passed on 3<sup>rd</sup> attempt

##### **Satellite Motion Practice**

- will open up after scoring 80% on Satellite Motion PA
- must score a 74% or redo

##### **Elliptical Lab**

- Lab must be completed in the classroom by 11/8
- Answer questions in the classroom by 11/8, 3:45 PM
- Lab Report is not required for this lab.

##### **BONUS: Satellite Motion Concept Quiz**

- Quiz must be taken in the classroom by 11/13
- No notes will be allowed for this quiz.

#### **Optional Crib Sheet for Unit 4 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 11/7 (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 4 Warm Ups on November 8**

#### **Unit 4 Test**

- Test will open up after passing all Post Assessments and Practices and completing all Labs for this unit.
- Test should be taken by 11/8

#### **Retake Unit 4 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 4 Test and pass with a 65% or higher
  - **COMPLETE the RETAKE as soon as possible to avoid falling behind in the next unit**