

Lesson plans November 12 to November 16, 2018

## ***Lesson Plans for Mr. Woolslayer Room 200***

***Monday***

*In-service and Parent Teacher Conferences*

***Tuesday***

***8:05 to 8:49 Physics II:***

***Objective:*** *Students will solve for problems related to Ohms law, resistance, resistivity, power and RMS voltages and peak voltages with SC electricity.*

***PA standard: 3.2.P.B1***

***Activity:*** *Notes, demonstration problems and discussion on Chapter 18 handout problems*

***Evaluation:*** *Completed Hand out problems*

***Enrichment/Remediation:*** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

***8:53-9:34 Prep***

***9:38- 10:19 General Physical Science***

***Objective:*** *Students will understand the various properties and laws governing the behavior of fluids and gases.*

***PA standard: PA standard: 3.2P.B7***

***Activity:*** *Review sheet/ study guide notes for Chapter 3 test on State of Matter and properties of gases..*

***Evaluation:*** *Completed Chapter 3 study –review..*

***Enrichment/Remediation*** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

***10:23 to 11:04 General Physical Science:***

**Objective:** *Students will understand the various properties and laws governing the behavior of fluids and gases.*

**PA standard:** *PA standard: 3.2P.B7*

**Activity:** *Review sheet/ study guide notes for Chapter 3 test on State of Matter and properties of gases..*

**Evaluation:** *Completed Chapter 3 study –review..*

**Enrichment/Remediation** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

**11:08 to 11:49** *Study hall in the Room 200*

**11:49 to 12:19** *Eat B Lunch*

**12:23 to 1:04** *RAP and online science*

**1:08 to 1:49** *Physics*

**Objective:** *Students will resolve vectors into its component parts. Students will find the magnitude and direction of a vector given its components. Students will add vectors graphically and algebraically to determine the vectors magnitude and direction.*

**PA standard:** *3.2P.B7*

**Activity:** *Review Vector mathematics and guided practice with vector hand out problems.*

**Evaluation:** *Completed Vector Review Handout problems*

**Enrichment/Remediation:** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: , Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

**1:53 to 2:34** *Physics Lab*

**Objective:** *Students will investigate the mass vs the speed of a Pasco car..*

**PA standard:** *3.2P.B7*

**Activity:** Pasco car mass vs speed lab.

**Evaluation:** Lab report, Data spreadsheet on Mass vs speed/

**Enrichment/Remediation:** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams

**2:38- 3:08 Sci-fi theater club**

**3:08 to 3:30 Gym Lobby Duty.**

**Wednesday**

**8:05 to 8:49 Physics II**

**Objective:** Students will understand the distribution steps of AC electricity in the USA.

**PA standard: 3.2.P.B1**

**Activity:** Notes, demonstrations and discussion on Electric Distribution.

**Evaluation** notebook check

**Enrichment/Remediation:** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams

**8:53-9:34 Prep**

**9:38- 10:19 General Physical Science:**

**Objective:** Student will using equations to convert from one temperature scale to another.

**PA standard: PA standard: 3.2P.B7**

**Activity:** Guided and independent practice problems on converts between Fahrenheit, Celsius and Kelvin

**Evaluation:** Completed Temperature conversion handout

**Enrichment/Remediation** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden

*toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

**10:23 to 11:04 General Physical Science:**

**Objective:** *Student will using equations to convert from one temperature scale to another.*

**PA standard:** *PA standard: 3.2P.B7*

**Activity:** *Guided and independent practice problems on converts between Fahrenheit. Celsius and Kelvin*

**Evaluation:** *Completed Temperature conversion handout*

**Enrichment/Remediation** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

**11:08 to 11:49 Study hall in the Room 200**

**11:49 to 12:19 Eat B Lunch**

**12:23 to 1:04 RAP Science/Prep**

**1:08 to 1:49 Physics**

**Objective:** *Students will identify the components of a vector. Students will define words and identify symbols related to vectors.*

**PA standard:** *3.2P.B7*

**Activity:** *Directed Reading and study guide for chapter 3*

**Evaluation:** *Completed Study guide Ch3*

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**1:53 to 2:34 Physics Lab**

**Objective:** *Students will investigate the mass vs the speed of a Pasco car..*

**PA standard:** 3.2P.B7

**Activity:** *Pasco car mass vs speed lab.*

**Evaluation:** *Lab report with Spread sheet and graph of mass vs. Speed*

**Enrichment/Remediation:** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

**2:38- 3:08** 7<sup>th</sup> grade HR

**3:08 to 3:30** Gym Lobby Duty.

**Thursday**

**8:05 to 8:49** Physics II:

**Objective:** *Students practice circuit problems with batteries, conduction, switches, resistors, volt meters and ammeters. Students will determine the effective resistance, current and power of the circuit.*

**PA standard:** 3.2.P.B1

**Activity:** *Electric circuit handout 2*

**Evaluation:** *Completed Circuit schematic problems 2..*

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**8:53-9:34** Prep

**9:38- 10:19** General Physical Science

**Objective:** *Student will understand concepts related states of matter, changes in state, properties of fluids and the behavior of gases.*

**PA standard:** PA standard: 3.2P.B7

**Activity:** *Finish up notes, demonstrations and video clips on gases and fluids*

**Evaluation:** *notebook check.*

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**10:23 to 11:04 General Physical Science:**

**Objective:** *Student will understand concepts related states of matter, changes in state, properties of fluids and the behavior of gases.*

**PA standard:** *PA standard: 3.2P.B7*

**Activity:** *Finish up notes, demonstrations and video clips on gases and fluids*

**Evaluation:** *notebook check.*

**Enrichment/Remediation** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams

**11:08 to 11:49 Study hall in the Room 200**

**11:49 to 12:19 Eat B Lunch**

**12:23 to 1:04 Rap and Online Science**

**1:08 to 1:49 Physics**

**Objective:** *Students will resolve vectors into its component parts. Students will find the magnitude and direction of a vector given its components. Students will add vectors graphically and algebraically to determine the vectors magnitude and direction.*

**PA standard:** *3.2P.B7*

**Activity:** *Practice test problem test on vectors.*

**Evaluation:** *Completed Practice test on Vectors*

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*toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

***1:53 to 2:34 Physics lab***

***Objective:*** *Students will launch air powered projectiles. And measure their altitude and range using the time in flight and the launch angle*

***PA standard: 3.2.P.B1***

***Activity:*** *Air rocket activity*

***Evaluation:*** *Completed data sheets and calculations*

***Enrichment/Remediation:*** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

***2:38- 3:08 Science Fiction Theater***

***3:08 to 3:30 Gym Lobby Duty.***

***Friday***

***8:05 to 8:49 Physics II:***

***Objective:*** *Students will solve for problems related to Ohms law, resistance, resistivity, power and RMS voltages and peak voltages with SC electricity.*

***PA standard: 3.2.P.B1***

***Activity:*** *Chapter 18 test*

***Evaluation:*** *Completed ch 18 test*

***Enrichment/Remediation:*** *Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams*

***8:53-9:34 Prep***

***9:38- 10:19 General Physical Science***

**Objective:** Student will understand concepts related states of matter, changes in state, properties of fluids and the behavior of gases.

**PA standard:** PA standard: 3.2P.B7

**Activity:** Chapter 3 test on states of matter and properties of gases.

**Evaluation:** Chapter 3 test

**Enrichment/Remediation** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams

**10:23 to 11:04 General Physical Science:**

**Objective:** Student will understand concepts related states of matter, changes in state, properties of fluids and the behavior of gases.

**PA standard:** PA standard: 3.2P.B7

**Activity:** Chapter 3 test on states of matter and properties of gases.

**Evaluation:** Chapter 3 test

**Enrichment/Remediation** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams

**11:08 to 11:49 Study hall in room 200**

**11:49 to 12:19 Eat B Lunch**

**12:23 to 1:04 Lunch Duty**

**1:08 to 1:49 Physics**

**Objective:** Students will resolve vectors into its component parts. Students will find the magnitude and direction of a vector given its components. Students will add vectors graphically and algebraically to determine the vectors magnitude and direction.

**PA standard:** 3.2P.B7



**Activity:** test on vectors.

**Evaluation:** completed test on Vectors

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### **1:53 to 2:34 PHYSICS LAB**

**Objective:** Students will launch air powered projectiles. And measure their altitude and range using the time in flight and the launch angle

**PA standard:** 3.2.P.B1

**Activity:** Air rocket activity

**Evaluation:** Completed data sheets and calculations

**Enrichment/Remediation:** Tutoring is available by appointment before school, 9<sup>th</sup> period or after school. Extra credit: Engineering project: Build a tooth pick bridge with only wooden toothpicks and glue which has a span of 25 to 40 cm in length and has a mass of less than 100.grams

**2:38- 3:08 HR 7<sup>th</sup> grade**

**3:08 to 3:30 Gym Lobby Duty.**