

Lesson plans September 23 to 27, 2019

Lesson Plans for Mr. Woolslayer Room 200

Monday

8:05 to 8:49 Physics II:

Physics II: Objective: Students identify symbols and units for the formulas and constants related to the electric field and Gauss's Law. Students will describe laws, theories and models related to the electric field. Students will describe the contributions of various scientists to our understanding of the electric field and charge.

PA standard: 3.2.P.B1

Activity: Notes, demonstrations, video clips and discussion of Gauss's Law and electric field.

Evaluation: Check notes

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 investigate the mass, volume and density of various materials

PA standard: 3.2.P.B1

Activity: Density lab continued

Evaluation: Completed Lab report form.

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 investigate the mass, volume and density of various materials*

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

Activity: *Density lab continued*

Evaluation: *Completed Lab report form.*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 understand vocabulary, symbols, units, instruments used to determine rates of motion, and terminology*

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

Activity: *Vocabulary exercise, directed reading and study guide for chapter 2 Motion in one dimension*

Evaluation *Completed Study guide and Vocabulary*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 conduct an experiment to measure the bounciness of a sports ball.*

PA standard: 3.2P.B7

Activity: *Students will analyze and make graphs of ball drop data*

Evaluation: *data tables and graphs on COR of various sports balls*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 7th grade HR

3:08 to 3:30 Gym Lobby Duty.

Tuesday

8:05 to 8:49 Physics II:

Objective: *Students will solve for the Electric field, Force on Electric charges, the principal of superposition, electrical flux from a surface with an electric field.*

PA standard: 3.2.P.B1

Activity: *Practice test on Chapter 16*

Evaluation: *Completed chapter 16 Practice test*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 define words related to the properties and states of matter.*

Students will understand concepts related to the states and classification of matter.

PA standard: 3.2P.B7

Activity: Ch 2 vocabulary exercise, Directed Reading and study guide 2.1

Evaluation: Completed Ch2 vocabulary and SG 2,1

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 define words related to the properties and states of matter.

Students will understand concepts related to the states and classification of matter.

PA standard: 3.2P.B7

Activity: Ch 2 vocabulary exercise, Directed Reading and study guide 2.1

Evaluation: Completed Ch2 vocabulary and SG 2,1

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 describe motion in terms of distance, displacement, time elapsed, speed and velocity

PA standard: 3.2P.B7

Activity: Demonstrations, notes, discussion and PHET simulation of motion.

Evaluation: Notebook check

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 conduct an experiment to measure the bounciness of a sports ball.

PA standard: 3.2P.B7

Activity: Students will analyze and make graphs of ball drop data

Evaluation: data tables and graphs on COR of various sports balls

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 club

3:08 to 3:30 Gym Lobby Duty.

Wednesday

8:05 to 8:49 Physics II:

Objective: Students will solve for the Electric field, Force on Electric charges, the principal of superposition, electrical flux from a surface with an electric field.

PA standard: 3.2.P.B1

Activity: Go over practice test for Chapter 16 and review

Evaluation: Completed practice test for chapter 16

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 describe the properties of matter, classification of matter into Elements, compounds, Pure substances and mixtures*

PA standard: 3.2P.B7

Activity: *Notes, demonstrations and discussion on the properties of matter, classification of matter into Elements, compounds, Pure substances and mixtures*

Evaluation: *Notebook check*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 describe the properties of matter, classification of matter into Elements, compounds, Pure substances and mixtures*

PA standard: 3.2P.B7

Activity: *Notes, demonstrations and discussion on the properties of matter, classification of matter into Elements, compounds, Pure substances and mixtures*

Evaluation: *Notebook check*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 Lunch duty

1:08 to 1:49 Physics

Objective: *Students will calculate distance, displacement, time elapsed, speed and velocity.*

PA standard: 3.2P.B7

Activity: *Notes, demonstrations and practice problems on calculating distance, displacement, time elapsed, speed and velocity.*

Evaluation: *completed practice problems*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 conduct an experiment to measure the bounciness of a Flooring.*

PA standard: 3.2P.B7

Activity: *Students will analyze and make graphs of ball drop data*

Evaluation: *data tables and graphs on COR of various floor types*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 7th grade HR

3:08 to 3:30 Gym Lobby Duty.

Thursday

8:05 to 8:49 Physics II

Objective: *Students will solve for the Electric field, Force on Electric charges, the principal of superposition, electrical flux from a surface with an electric field.*

PA standard: 3.2.P.B1

Activity: *Chapter 16 conceptual test*

Evaluation: *Completed chapter 16 conceptual test*

Enrichment/Remediation: *Tutoring is available by appointment before school, 9th 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 classify chemical vs physical properties, chemical vs Physical changes*

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

Activity: *Notes, demonstrations and discussion on classifying chemical vs physical properties, chemical vs Physical changes*

Evaluation: *notebook check*

Enrichment/Remediation *Tutoring is available by appointment before school, 9th 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:

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Activity: *Notes, demonstrations and discussion on classifying chemical vs physical properties, chemical vs Physical changes*

Evaluation: *notebook check*

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

11:49 to 12:19 Eat B Lunch

12:23 to 1:04 Lunch c duty

1:08 to 1:49 Physics Objective: Students will measure and calculated various rates of motion.

PA standard: 3.2.P.B1

Activity: Notes, demonstrations and discussion on motion and rates of motion

Evaluation: Completed motion measurements and calculations

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 conduct an experiment to measure the bounciness of a Flooring.

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Activity: Students will analyze and make graphs of ball drop data

Evaluation: data tables and graphs on COR of various floor types

Enrichment/Remediation: Tutoring is available by appointment before school, 9th 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 Scientific Theater
3:08 to 3:30 Gym Lobby Duty.

Friday

8:05 to 8:49 Academic Physics: Objective: Student will understand the concept of Electric Potential and the use of capacitors in circuit.

PA standard: PA standard: 3.2P.B7

Activity: View and Discuss MU: Electric Potential. Discuss and answer the MU Electric Potential Questions.

Evaluation: Completed Video questions.

Enrichment/Remediation Tutoring is available by appointment before school, 9th 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 classify chemical vs physical properties, chemical vs Physical changes

PA standard: PA standard: 3.2P.B7

Activity: Video clips on classifying chemical vs physical properties, chemical vs Physical changes

Evaluation: Student feed back

Enrichment/Remediation Tutoring is available by appointment before school, 9th 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 classify chemical vs physical properties, chemical vs Physical changes*

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

Activity: *Video clips on classifying chemical vs physical properties, chemical vs Physical changes*

Evaluation: *Student feed back*

Enrichment/Remediation *Tutoring is available by appointment before school, 9th 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 Lunch c Duty

1:08 to 1:49 Physics

Objective: *Student will understand the various rates of motion, student will appreciate the historical development of transportation.*

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

Activity: *Imax Movie Speed and discuss and answer the video question on Speed.*

Evaluation: *Completed Video questions.*

Enrichment/Remediation *Tutoring is available by appointment before school, 9th 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: Powder puff

2:38- 3:08 Powder puff

3:08 to 3:30 Gym Lobby Duty.