

CH. 5 Matter in Motion

Lesson: 5-1 Measuring motion
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

Lesson Objective

Identify relationship between motion and a fixed point. Identify the two factors that speed depends on. Determine the difference between speed and velocity. Analyze the relationship of velocity to acceleration.

Teaching Procedure

Read/discuss p. 106, and p. 108-111.

Homework Assignment

Worksheet 5-1.

Lesson: 5-2 What is a force?
Author: Mr. Hilvers
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Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Give examples of different kinds of forces. Determine the net force on an object. Compare balanced and unbalanced forces.

Teaching Procedure

Read/discuss p. 115-119.

Homework Assignment

Worksheet 5-2.

Lesson: 5-3 Friction: A force that opposes motion
Author: Mr. Hilvers
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Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Explain why friction occurs. List the types of friction, and give examples of each. Explain how friction can be both harmful and helpful.

Teaching Procedure

Read/discuss p. 119-124.

Homework Assignment

Worksheet 5-3.

Lesson: 5-4 Gravity: A force of attraction
Author: Mr. Hilvers
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Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Define gravity. State the law of universal gravitation. Describe the difference between mass and weight.

Teaching Procedure

Read/discuss p. 125-129.

Homework Assignment

Worksheet 5-4.

Lesson: Test
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****Correct Homework, if any****

Student Evaluation