

# TEKS Motion Commotion: Processing Out



**Health, Science, PE: Grades 6 - 8**

**PE: Grade 1**

## MIDDLE SCHOOL HEALTH

6.6: (A)

(6) Influencing factors. The student understands how factors in the environment influence individual and community health. The student is expected to:

(A) identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures;

7.5, 8.5: (A)

(5) Health behaviors. The student engages in behaviors that reduce health risks throughout the life span. The student is expected to:

(A) analyze and demonstrate strategies for preventing and responding to deliberate and accidental injuries;

## MIDDLE SCHOOL SCIENCE

6.2, 7.2, 8.2: (E)

(2) Scientific investigation and reasoning. The student uses scientific inquiry methods during laboratory and field investigations. The student is expected to:

(E) analyze data to formulate reasonable explanations, communicate valid conclusions supported by the data, and predict trends.

6.3, 7.3, 8.3 (A)

(3) Scientific investigation and reasoning. The student uses critical thinking, scientific reasoning, and problem solving to make informed decisions and knows the contributions of relevant scientists. The student is expected to:

(A) in all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations, so as to encourage critical thinking by the student;

6.8 (B, C)

(8) Force, motion, and energy. The student knows force and motion are related to potential and kinetic energy. The student is expected to:

(B) identify and describe the changes in position, direction, and speed of an object when acted upon by unbalanced forces;

(C) calculate average speed using distance and time measurements;

8.6 (B, C)

(6) Force, motion, and energy. The student knows that there is a relationship between force, motion, and energy. The student is expected to:

(B) differentiate between speed, velocity, and acceleration; and

(C) investigate and describe applications of Newton's law of inertia, law of force and acceleration, and law of action-reaction such as in vehicle restraints, sports activities, amusement park rides, Earth's tectonic activities, and rocket launches.

## ELEMENTARY PE

1.2: (B)

(2) Movement. The student applies movement concepts and principles to the learning and development of motor skills. The student is expected to:

(B) demonstrate a base of support and explain how it affects balance.

## MIDDLE SCHOOL PE

6.1: (A)

(1) Movement. The student demonstrates competency in movement patterns and proficiency in a few specialized movement forms. The student is expected to:

A) perform locomotor skills in dynamic fitness, sport, and rhythmic activities;

6.3: (D)

(3) Physical activity and health. The student exhibits a health enhancing, physically-active lifestyle that provides opportunities for enjoyment and challenge. The student is expected to:

(D) identify and know how to use technological tools used for measuring and monitoring fitness parameters such as computer programs, heart rate monitors, skin-fold calipers, and impedance testing equipment.

7.2: (F)

(2) Movement. The student applies movement concepts and principles to the learning and development of motor skills. The student is expected to:

(F) identify and apply basic biomechanical principles such as lowering the center of gravity and widening the base of support

7.3: (E)

(3) Physical activity and health. The student exhibits a health enhancing, physically-active lifestyle that provides opportunities for enjoyment and challenge. The student is expected to:

(E) select and use appropriate technology tools to evaluate, monitor, and improve physical development.

7.7, 8.7: (B)

(7) Social development. The student develops positive self-management and social skills needed to work independently and with others in physical activity settings. The student is expected to:

(B) work cooperatively in a group to achieve group goals in competitive as well as cooperative settings;

# Administrivia



**LESSON 1**  
**ACTIVITY 1**

**MO-BILITY**