

Activity "Administrivia": Grade Levels 6-8

Key Concepts:

Balance,
sway,
stability,
measurement

Process Skills utilized in lesson:

Collecting data,
analyzing data,
graphing, drawing
conclusions

Previous learning assumed:

Science process skills,
collecting data,
graphing skills,
analyzing data,
reading and
following directions

Relevant TEKS

Health

6.2A

(2) Health information. The student recognizes ways that body structure and function relate to personal health throughout the life span. The student is expected to:

- (A) analyze the relationships among the body systems;

Middle School Science

6.2, 7.2, 8.2 (A,B,C,D,E)

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

- (A) plan and implement comparative and descriptive investigations by making observations, asking well-defined questions, and using appropriate equipment and technology;
- (B) design and implement experimental investigations by making observations, asking well-defined questions, formulating testable hypotheses, and using appropriate equipment and technology;
- (C) collect and record data using the International System of Units (SI) and qualitative means such as labeled drawings, writing, and graphic organizers;
- (D) construct tables and graphs, using repeated trials and means, to organize data and identify patterns; and
- (E) analyze data to formulate reasonable explanations, communicate valid conclusions supported by the data, and predict trends.

6.4, 7.4, 8.4 (A)

(4) Scientific investigation and reasoning. The student knows how to use a variety of tools and safety equipment to conduct science inquiry. The student is expected to:

- (A) use appropriate tools to collect, record, and analyze information, including journals/notebooks, beakers, Petri dishes, meter sticks, graduated cylinders, hot plates, test tubes, triple beam balances, microscopes, thermometers, calculators, computers, timing devices, and other equipment as needed to teach the curriculum;

7.12 B

(12) Organisms and environments. The student knows that living systems at all levels of organization demonstrate the complementary nature of structure and function. The student is expected to:

- (B) identify the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, excretory, reproductive, integumentary, nervous, and endocrine systems

7.13 (A,B)

(13) Organisms and environments. The student knows that a living organism must be able to maintain balance in stable internal conditions in response to external and internal stimuli. The student is expected to:

- (A) investigate how organisms respond to external stimuli found in the environment such as phototropism and fight or flight; and
- (B) describe and relate responses in organisms that may result from internal stimuli such as wilting in plants and fever or vomiting in animals that allow them to maintain balance.

Physical Education

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;



Activity "Administrivia"



LESSON 2
ACTIVITY 2F

MO-BILITY