

# Activity "Administrivia": Grade Levels 6-8

## Key Concepts:

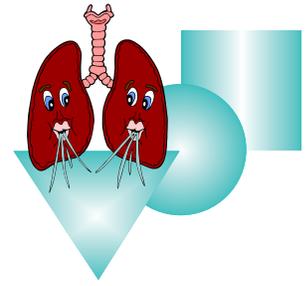
Conceptual modeling, structure and function, force and motion, catapulting, change, systems, peak expiratory flow, pulmonary health and disease

## Process Skills utilized in lesson:

Laboratory investigations, analyzing data, conceptual modeling, scientific inquiry, critical thinking (limitations of models), demonstration, observing and measuring, constructing graphs, inferring, evaluating

## Previous learning assumed:

Structure and function of the lungs, group skills, graphing skills, drawing conclusions, collecting and analyzing data



# Activity "Administrivia"

## Relevant TEKS

### 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.

#### 7.3, 8.3(A,B)

(3) Health information. The student comprehends and utilizes concepts relating to health promotion and disease prevention throughout the life span. The student is expected to:

(A) explain the role of preventive health measures, immunizations, and treatment in disease prevention such as wellness exams and dental check-ups;

(B) analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.

#### 7.5, 8.5(H)

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

(H) explain the impact of chemical dependency and addiction to tobacco, alcohol, drugs and other substances;

### Middle School Science

#### 6.1, 7.1, 8.1(A)

(1) Scientific investigation and reasoning. The student, for at least 40% of instructional time, conducts laboratory and field investigations following safety procedures and environmentally appropriate and ethical practices. The student is expected to:

(A) demonstrate safe practices during laboratory and field investigations as outlined in the Texas Safety Standards.

#### 6.2, 7.2, 8.2(C,D,E)

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

(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.

#### 6.3, 7.3, 8.3(A,C)

(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;

(C) identify advantages and limitations of models such as size, scale, properties, and materials.

#### 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 meter sticks.

(B) use preventative safety equipment, including chemical splash goggles, aprons, and gloves, and be prepared to use emergency safety equipment, including an eye/face wash, a fire blanket, and a fire extinguisher.

#### 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;

### Middle School Physical Education

#### 6.4(A,G) 7.4(I) 8.4(H)

(4) Physical activity and health. The student knows the benefits from involvement in daily physical activity and factors that affect physical performance. The student is expected to:

(A) describe selected long-term benefits of regular physical activity.

(G) recognize the effects of substance abuse on personal health and performance in physical activity;

(I) recognize the effects of substance abuse on personal health and performance in physical activity.

(H) recognize the effects of substance abuse on personal health and performance in physical activity.



LESSON 5  
ACTIVITY 5D

Pulmo-Park