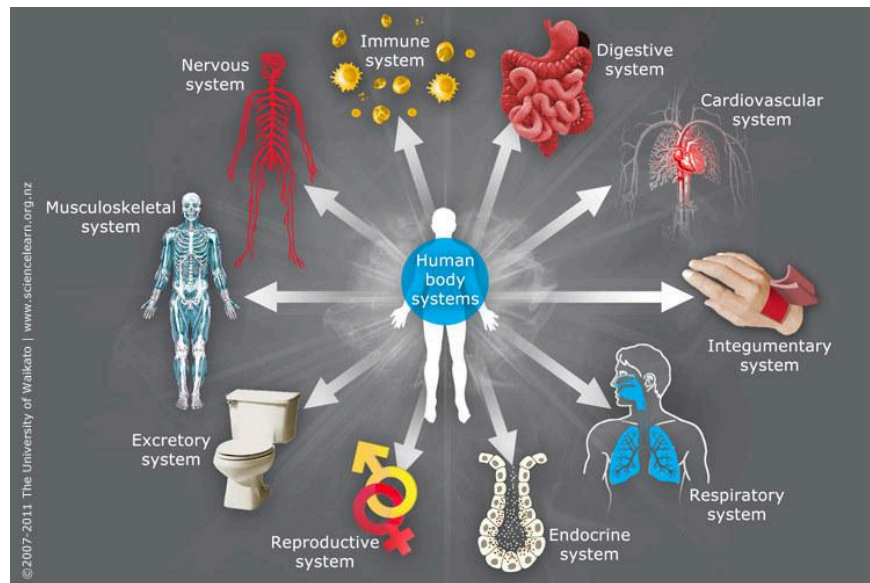


Human Body: Systems



Unit Introduction

This course will be focused upon the study of the human body. Students will examine the essential systems of the body and their role in human health. Particular emphasis will be placed upon the skeletal-muscular system as well as digestion. Students will learn through authentic investigation how all of these systems interact to form a functioning body.

Unit Priority Standards

- MS-LS1-3. Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.
- MS-LS1-7. Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.

Unit Transfer Goals

- The ability to engage in scientific inquiry and define real-world problems.
- The ability to create visual and verbal analysis of a scientific investigation or experiment.
- Obtaining information using discourse, various texts, and a variety of media, to evaluate content, and communicate information.

Unit Essential questions	
<ol style="list-style-type: none">1. How is the human body structured and how do the various systems work together in order to ensure a healthy organism?2. How do the various body systems contribute to the maintenance of homeostasis?3. How are nutrients obtained, processed, and absorbed into the human body?	
Acquisition of Knowledge Skill	
<i>Students will know...</i> <ol style="list-style-type: none">1. The body is composed of several organ systems.2. The various types of tissues within the human body.3. The functions of skin, muscle, and bone.4. How the process of digestion takes place.5. The various food groups and nutrient types.	<i>Students will be skilled at...I can...</i> <ol style="list-style-type: none">1. Identifying different types of tissues within the human body.2. Explaining how different body systems work together to maintain homeostasis.3. Analyzing nutrition facts labels and calculating calories.4. Portraying the various food groups.5. Detailing the steps involved in digestion.

Unit Plan

Week 1: Dates 10/24-11/3	Dropbox/Checklist of EQs <input type="checkbox"/> How is the human body structured and how do the various systems work together in order to ensure a healthy organism?
Learning Target(s):	Dropbox/Checklist of Skills <input type="checkbox"/> Identifying different types of tissues within the human body.
Acquired Knowledge:	Dropbox/Checklist of Knowledge <input type="checkbox"/> The body is composed of several organ systems.
Skills, Activities, and Due Dates:	<ul style="list-style-type: none"> - Body Systems Worksheet. - Skeletal System Section Assessment. - Human Tissue Lab
Week 2: Dates 11/6-10	Dropbox/Checklist of EQs <input type="checkbox"/> How do the various body systems contribute to the maintenance of homeostasis?
Learning Target(s):	Dropbox/Checklist of Skills <input type="checkbox"/> Identifying different types of tissues within the human body.
Acquired Knowledge:	Dropbox/Checklist of Knowledge <input type="checkbox"/> The various types of tissues within the human body.
Skills, Activities, and Due Dates:	<ul style="list-style-type: none"> - Muscles Diagram - Skin Section Assessment - Muscle Dissection
Week 3: Dates 11/13-17	Dropbox/Checklist of EQs <input type="checkbox"/> How are nutrients obtained, processed, and absorbed into the human body?
Learning Target(s):	Dropbox/Checklist of Skills <input type="checkbox"/> Analyzing nutrition facts labels and calculating calories.
Acquired Knowledge:	Dropbox/Checklist of Knowledge <input type="checkbox"/> The various food groups and nutrient types.
Skills, Activities, and Due Dates:	<ul style="list-style-type: none"> - Nutrition Diary Project - Nutrition Facts Analysis Lab - Nutrients Quizlet

Week 4: Dates 11/20-24	Dropbox/Checklist of EQs <input type="checkbox"/> How are nutrients obtained, processed, and absorbed into the human body?
Learning Target(s):	Dropbox/Checklist of Skills <input type="checkbox"/> Portraying the various food groups.
Acquired Knowledge:	Dropbox/Checklist of Knowledge <input type="checkbox"/> The various food groups and nutrient types.
Skills, Activities, and Due Dates:	<ul style="list-style-type: none"> - Nutrition Diary Project - “Sugar Rush” Video Review
Week 5: Dates 11/27-12/1	Dropbox/Checklist of EQs <input type="checkbox"/> How are nutrients obtained, processed, and absorbed into the human body?
Learning Target(s):	Dropbox/Checklist of Skills <input type="checkbox"/> Detailing the steps involved in digestion.
Acquired Knowledge:	Dropbox/Checklist of Knowledge <input type="checkbox"/> How the process of digestion takes place.
Skills, Activities, and Due Dates:	<ul style="list-style-type: none"> - Digestion worksheet - Nutrition Diary Project - Quiz

Assessment Details

Evidence	
I will check students' understanding throughout the unit by...	
Summative Project <ul style="list-style-type: none"> • Nutrition Diary Project • Standards Aligned Linked Rubric Quiz <ul style="list-style-type: none"> • One quiz consisting of a mixture of multiple choice and long answer questions will be given at the end of 	Formative Supplemental Work <ul style="list-style-type: none"> • Section Assessments: Certain course content will be summarized and reviewed so as to build up student confidence and reinforce core concepts. • Newsela: Students will be assigned articles to read in association with specific class content.

<p>the unit to assess learning outcomes.</p> <p>Labs</p> <ul style="list-style-type: none"> Students will have the opportunity to test out new concepts with hands-on learning activities. These will be assessed based on quality of observations and/or analysis of data and conclusions. 	<ul style="list-style-type: none"> Workbook: Students will complete assigned pages for content review. Quizlet: Student knowledge of scientific vocabulary will be occasionally reviewed to ensure they are on track. <p>Portfolio</p> <ul style="list-style-type: none"> Digital Portfolio: Students will maintain a digital portfolio where they keep record of projects and other activities. Skills Checklist: Students will record notes and check their own level of class content mastery over time.
--	---