

Title:	Body Systems
Grade(s):	4 th and 5 th
Subject(s):	Science
Author:	Kinds, Allen, Tolbert, Kent
Overview:	The teacher will introduce the body systems and discuss their functions. Students will be involved in an active learning process of how the human body works. The students will use Microsoft Word and PREZI to make group presentations.
Content Standards:	<p>SCI (5) 8. Identify major body systems and their functions, including circulatory system, respiratory system, excretory system, and reproductive system.</p> <p>TC(3-5) 1. Use input and output devices of technology systems.</p> <p>TC(3-5) 2. Use various technology applications, including word processing and multimedia software.</p> <p>TC(3-5) 12. Create a product using digital tools.</p>
Local/National Standards:	
Primary Learning Objectives:	Students will be able to identify each system of the human body and give its functions by using diagrams and labels.
Additional Learning Objectives:	
Approximate Duration of Lesson:	2 one-hour sessions
Materials and Equipment:	Textbook, chart paper, markers, pencils, crayons, additional resources
Technology Resources Needed:	Computers with Internet connection, Promethium board
Background/	Knowledge of the body systems and functions.
Preparation:	Knowledge of Microsoft Word, Prezi
Procedures/Activities:	<p>Step 1 Divide the class into small groups to research a body system. Teacher will distribute RAFT charts. Students will use the RAFT strategy to demonstrate their learning.</p> <p>Step 2 The teacher will show example Prezi on Promethium board to introduce students to the body systems.</p> <p>Step 3 Each group will research the specific characteristics or components of their assigned body system. The groups must find 5 facts about the system they are assigned and record them in their research journals.</p> <p>Step 4 Students will use Prezi to illustrate their knowledge of the body system they researched. They will work in their groups to create the Prezi and must include the 5 facts they found and include 2 images of the body system. They may also include a YouTube about the body system video if time allows.</p>



Step 5 Students will present their Prezi on the Promethium board in front of the class using the RAFT model.

Step 6 After presenting, each student will draw and label a diagram on the body system their group studied.

Attachments:

RAFT

Rubric

<http://prezi.com/u6uhqtmhk6ne/body-systems/>

**Assessment
Strategies:**

See attached rubric.

Extension:

Students make presentations to third grade classes.

Students may create a play model of their system.

Remediation:

Students will be assigned streaming videos relating to body systems.

RAFT Role Chart for Body Systems

Role	Audience	Format	Topic
<ul style="list-style-type: none">• Writer• Reporter• Scientist	<ul style="list-style-type: none">• Self• Peer Group• Activists	<ul style="list-style-type: none">• Journal• Prezi	<ul style="list-style-type: none">• Body Systems

Assessment Rubric for Human Body Systems

Score	1	2	3	4
Research and Organization	There is no evidence of research or consistent organization.	Evidence of research is present but is inadequate. Organization is minimal.	Research and organization are present in a reasonable amount.	Research and organization are present and easy to follow.
Technology Use	The software and/or technology chosen are inappropriate for the presentation.	The chosen technology is not used in a manner that enhances the presentation.	Technology and software are appropriate for learning and presentation to peers.	The technology and software are appropriate for student learning and enhancement of presentation to peers.
Subject Content	Subject content does not show extension of students' knowledge base or skills	Content is shown but there is no evidence of student understanding of how systems work.	Some key elements of body systems are missing. Students' presentation show extension of knowledge and skills.	All elements of body systems are clearly presented and show understanding of content.