

Teacher Candidate : Tracy Miller

Date: 2/23/2016

School: For HHP 359

Grade/Subject: Health (5-8)

Lesson Topic: Digestive System

INSTRUCTIONAL OBJECTIVES/ STUDENT OUTCOMES

- Explore the various parts of the digestive system
- Learn the role that each part of the digestive system plays
- Discover how the various parts work together to digest food

WV CSOs

HE.5.105-identify basic anatomy and explain functions of the body systems

NATIONAL STANDARDS

Standard 1: Students will comprehend concepts related to health promotion and disease prevention to enhance health.

MANAGEMENT FRAMEWORK

Overall Time: 55 minutes

Introduction: 10 minutes

Prezi/lecture: 15 minutes

Video: 5 minutes

Activity: 20 minutes

Closure: 5 minutes

STRATEGIES

Teacher/student led discussion, think aloud, student presentations, independent practice, teacher modeling/demonstration.

DIFFERENTIATED INSTRUCTION/ ADAPTATIONS/ INTERVENTIONS

Learning disabilities: Modified instruction- I will ask them simpler questions and group with a partner if needed.

Attention differences: I will offer guided instruction to keep the students on task, focused, and interested in the lesson.

Physical differences: I will allow added time for the exercises.

Sensory differences: I will have a variety of ways to deliver the content. Yarn demonstration, video, and prezi for visual learners, lecture/discussion and video for auditory learners, and hands on activities for kinesthetic learners.

PROCEDURES

Introduction/ Lesson Set

- I will start off by giving the students a pretest to determine prior knowledge. I will ask them to write down the answer to this question below. After a few minutes I will ask for answers.

- **QUIZ (We don't usually think about our food after we've eaten it. What actually happens to it? How does the body digest it? Name the parts of the digestive system.)**
- Then I will get out the yarn and I will measure across the room. *I will explain to them that the digestive tract is approximately 30 feet long. The intestines are a long, continuous tube running from the stomach to the anus. Most absorption of nutrients and water happen in the intestines.*
- **I will measure the small and large intestines across the room.**
- The intestines include the small intestine, large intestine, and rectum.
- The small intestine (small bowel) is about 20 feet long and about an inch in diameter, and the large intestine (colon or large bowel) is about 5 feet long and about 3 inches in diameter.
- Next, I will present a prezi presentation that I created about the digestive system.
- The Link to the Prezi <https://prezi.com/kixuys0kfoe/digestive-system/>
- I will go through each “**major**” part of the digestive system explaining what they do and how they work. (*With pictures- Mouth, epiglottis, pharynx, esophagus, stomach, liver, gallbladder, small intestine, large intestine, rectum*)
- **I have also included a section for discussion on how to keep your digestive system healthy and the many different problems and diseases that occur in the digestive tract.**
- **I will explain steps to take to avoid digestive problems like drinking plenty of water, exercise, fiber, diet, and staying on an eating pattern.**
- I will also show the students a short clip of the digestive system that I have included in the prezi along with different conditions that many people deal with. (IBS, Esophagitis, Gastritis and peptic ulcers etc...)
- This video will show a real digestive system and is only 5 minutes long.

Body & Transitions

- After the prezi I will ask if there are any questions or comments and then move on to the activity.
- **Activity:** You just finished your favorite meal and now you have some schoolwork to do before it gets late. But even though your brain is no longer thinking about food, your digestive system is just getting down to business. In fact, the digestive process can take anywhere from 20 hours to a few days.
- Write a guide that takes your favorite food through the digestive system. While you write your guide, be sure to talk about what organs the food will pass through, what each part of the system does, and how the parts work together to digest the food.

- (They can just list the steps, or tell a story pretending they are the food telling your journey through the digestive system.)
- I will also give the students a handout of the digestive system where they will label the parts of the digestive system. (Word Bank Included)

Closure

- As the students finish up I will ask for volunteers to read their stories, steps, or drawings.
- Once the students are finished I will give them a posttest that consists of 5 multiple choice questions and 5 fill in the blank.

ASSESSMENT

Diagnostic: I will give the students a pretest to test prior knowledge of the subject.

Formative: I will be testing the students formatively by asking them questions before and during the prezi lecture and observing them write out and design their digestive tract activity.

Summative: I will assess students by their activity papers and their posttest.

MATERIALS

- Yarn
- Prezi
- Paper
- Pencils
- crayons/colored pencils
- Quiz
- Digestive system blank handout

EXTENDED ACTIVITIES

If Student Finishes Early

I will have this student to use one of the computers in the back of the room to research how to keep a healthy digestive system. They will list the many different things to do to keep a healthy digestive tract.

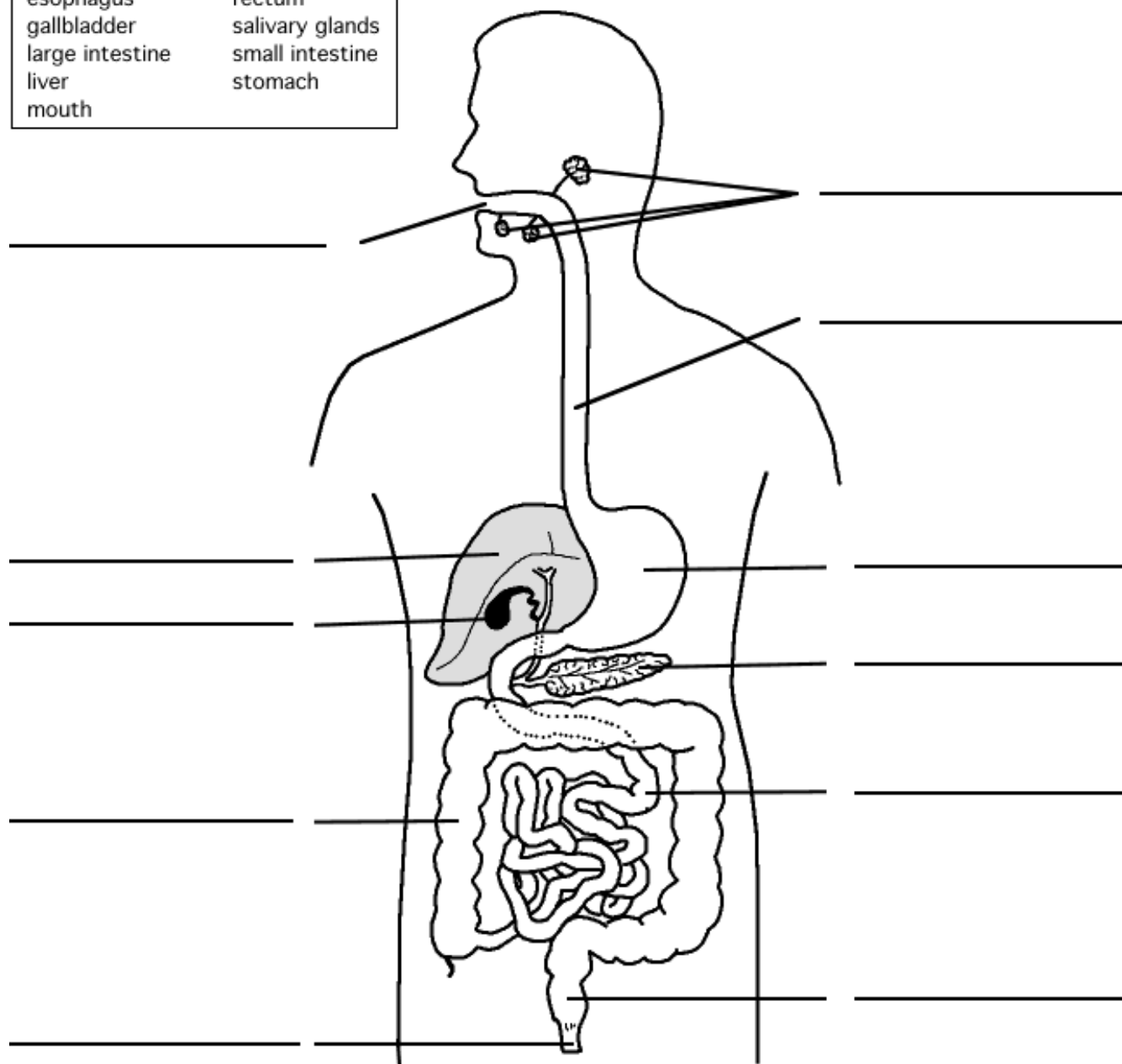
If Lesson Finishes Early

I will ask the class to get in groups and answer the following questions using their book and/or computers: How does eating a diet rich in fiber and drinking plenty of water help maintain a healthy digestive tract? What problems can result from a poor diet? What other problems may occur in the digestive system that aren't a result of poor diet?

If Technology Fails

I will have the information from the prezi printed out in a powerpoint format for the students to follow along with._

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|-----------------|-----------------|
| anus | pancreas |
| esophagus | rectum |
| gallbladder | salivary glands |
| large intestine | small intestine |
| liver | stomach |
| mouth | |



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