**Saturday Science Lesson Plan**

**October 30, 2010**

**A) Learning Objectives**

* Students will learn about different parts of digestive system.
* Students will be able to develop an understanding of certain aspects of NOS. (creativity, observation vs. inference)
* Students will learn about functions of different parts of digestive system.
* Students will learn about different food materials which help us get nutrients.
* Students will be able to create a balanced diet lunch box with different ingredients.
* Students will learn parts of digestive system through preparing different parts of digestive system by play dough.

**B) Standards**

* **National Science Education Standards**
  + K-4 Science as Inquiry: Abilities necessary to do scientific inquiry
  + K-4 Science as Inquiry: Understanding about scientific inquiry
  + K-4 Earth and Space Science: Properties of earth materials
  + K-4 History and Nature of Science: Science as a human endeavor
* **Indiana State Academic Standards**
  + K.1.1 Raise questions and the natural world
  + K.1.2 Begin to demonstrate that everybody can do science
  + 1.1.2 Investigate and make observations to seek answers to questions about the world
  + 2.1.5 Demonstrate the ability to work with a team but still reach and communicate one’s own conclusions about findings
  + 2.1.3 Describe, both in writing and verbally, objects as accurately as possible and compare observations with those of other people
  + K.2.2 Draw pictures and write words to describe objects and experiences
  + 1.2.7 Write brief information descriptions of a real object, person, place, or event using information from observations
  + 2.2.5 Draw pictures and write brief descriptions that correctly portray key features of an object
  + 1.5.2 Make and use simple picture graphs to tell about observations
  + K.6.1 Describe and object by saying how it is similar to or different from another object

**D) Materials**

* 27 mechanical pencils
* 6 packs of crayons
* 1 pack of construction paper
* 8 kid-friendly scissors
* Large chart paper
* 1 permanent marker
* Different vegetables
* Handout of digestive system
* Handout of Muscles being used by Child
* Digestive system model
* Chart of nutrients

**E) Lesson Description**

1. 9:30-9:40 Review of last week’s material \*\*Students will be grouped by age/grade for this session.\*\*
2. Talk about different parts of heart and their function
3. 9:40-9:45 Ask students about what happened to food we eat?
   * Talk about different parts of digestive system they know
   * How do we taste food?
4. 9:45-10:05 Introduction of digestive system
   * Share new vocabulary terms
     1. Tongue
     2. esophagus
     3. Stomach
     4. Pancreas
     5. Liver
     6. Small intestine
     7. Large intestine
5. 10:05-10:30 Give students play dough to prepare model of digestive system.
6. 10:30-11:00 Going around the room for finding different food items and nutrients
7. Students will fill up a worksheet as they move
8. 11:00-11:15 Snack & bathroom break
9. 11:15-11:20 Showing them size of real intestine (32 feet)
10. 11:20-11:30 Show video of digestive system, show them model one more time
11. Discussion of different part of digestive system.
12. 11:30- 12:00 Journal--- Write down new vocabulary words and fill up the body parts.
13. 5-E Learning Cycle

**Engage** Last week’s review. Function and parts of heart.

Ask students what do they know about digestive system. What do they think happens to food we eat.

What are different part of digestive system.

What are different food items do we need to stay healthy?

* + **Explore** some introduction of different parts of digestive system through a chart.

Students will prepare model of digestive system with play dough. Let them label part of digestive system

Give students a worksheet for making observations of different food items around the room and what do they know about it and what vitamins do they give.

* + **Explain** different parts of digestive system and its function. Different food items and its function.

F) References