Lesson Plan: SPUTNIK

Student Teacher: Richard A Say        Date: July 16, 2008
Grade level: 10th        Subject: World History        Supervisor: Warfield

Preliminary Planning

PA Standards: 8.1.12B, C, D; 8.3.12B, C, D; 8.4.12B, C, D; 5.4.12B, C

Pre-assessment:
- What is Sputnik?
- What was the Space Race?
- Who was the U. S. president in 1957?

Objectives:
- ASWBT explain the significance of the launch of Sputnik.
- ASWBT describe 3 key milestones of the Space Race.
- ASWBT list 5 gains in technology and international cooperation that resulted from the race.

Individual modification:
- Sally; I will give a copy of all handouts to her resource room instructor and her caregivers ahead of time. I will also give a copy of the lesson plan and my notes to the resource room instructor. I will outline the key information on all documents. During the group activity I will place Sally in a group of students with mixed abilities with a good inclusive leader. The question they will have to answer will be appropriate for the group.

- Michael; I will make sure Michael has preferential seating where we can have good visual contact (he can see me and I can see him). I will have established a subtle non-verbal signal with Michael so that when he or I realize that he is getting agitated I can change up the lesson plan and deal with the issue. I will place on his desk an index card that will give him a few helpful ways to de-escalate himself when he starts getting agitated: 1. Take a deep breath. 2. Count to ten slowly. 3. Ask for a bathroom pass.

- Both; At the beginning of class I will review an outline of the lesson activities and list them on the board. I will also list the outline and all of my notes on my website.

Materials:
- Warm up transparency-Baltimore Post, Oct. 1957 White House memorandum hand out, Sputnik questions hand out, vocabulary list of terms, Space Race transparency, Sputnik Legacy graphic organizer and white board.
Learning Sequence

INTO

Introduction/Motivation/Focus Attention 10 Min

I will ask the pre-assessment questions. I will start a discussion of life in 1950’s- ask students what they know about the time period. I will have the class do a mock air raid drill. I will show the Baltimore Post transparency and talk about the launch of Sputnik and the status of the U. S. space program at the time.

THROUGH

Learning activities (Input modeling, checking for understanding, guided practice, Independent practice: 25 Min

I will have the students break up into five person groups for a cooperative activity- Teaching with documents; review and discussion of 1957 Secret memorandum (handout). Each person will get a copy of the document and a list of the key terms. I will have each group read the document and answer a question. Each group will have a different question to answer. We will discuss the document and their answers. I will show the class a transparency of Space Race (hand out) and have a teacher led discussion about it.

BEYOND

Closure (review, check for understanding, Summarize, Future forecast, transition) 10min

I will have a teacher led discussion of the legacies of Sputnik. I will discuss a white board web diagram of advances, technological gains and international cooperation that resulted from the Space Race. I would emphasize the effects of NDEA, ARPA and NASA-“How Sputnik changed everything”
POST INSTRUCTIONAL PLANNING

1. What levels of thinking (Bloom) did your lesson incorporate?
   Knowledge, comprehension, evaluation

2. How did you evaluate your student’s performance?
   a. Checking for understanding
      Questions and answers relating to documents and Space Race timeline
   b. Guided practice
      Conceptual understanding of times
   c. Independent practice
      Questions and answers about Sputnik legacy

3. In what ways have you included safeguards that all children will learn including second language learners and special needs students?
   a. Cooperative learning activities
   b. Resource room materials
   c. Special consideration

4. Total participation techniques: How did you make sure all students were engaged in your lesson?
   a. Mock air raid
   b. Cooperative learning session on document reading
   c. Question and answer session

5. Describe the instructional modes that you used in each of your activities (VAKT)
   a. Teacher led discussion
   b. Group activity
   c. Visual aides; transparencies, handouts
   d. Group activity
   e. Teacher lead discussion- graphic organizer

6. Describe the changes I would make if I taught this lesson again.
   a. I would use a power point presentation and show animation of the Sputnik launch and a news reel of the 1950’s