MISSION PLAN

Space as a Concept

1. GENERAL

This class is presented to introduce the idea that space may be viewed in a conceptual framework in an entirety. From this holistic viewpoint we need to understand how people, governments and business look at space and how they interact.

2. LEARNING OBJECTIVES

SUBJECT AREA: Space Citizenship

TASK: Understand that there are three major functions in space; commercial, exploration and military. Understand that these functions are national and international in nature.

STANDARD: Mission Team Members should be able to identify the three major activities/functions of space. Mission Team Members should be able to give examples of space activity for each major area. Mission Team Members should demonstrate an understanding of the definition and concept of international cooperation. Mission team members should be able to give examples of international cooperation. Mission Team Members

3. PRESENTATION GUIDE

a. Introduction (5 minutes)

Good morning/afternoon, I am _____ and I will be your Mission Team Leader for Space as a concept. In this lesson we will talk about some aspects of space which you probably haven't given much thought to. Specifically we will talk about why we go to space and different groups of people who work in space and how they work together.

b. Development (15 minutes) MAIN LECTURE

1) Why go to space? **Question:** ask Mission Team Members "Why do people want to go to space?"
- Space is cool – Things float in "zero-g," You ride a rocket to space
- There are things to explore in space, Moons, Stars Asteroids
- There are things to learn in space – How old is our planet? How does the sun work?
- There are things to do in space. Satellites help us make telephone calls and broadcast TV
- Sometimes people just feel the need to know what's out there. Space is soooooo big and has so much stuff we can't even understand it all. We want to know what's out there. We even want to know if we can live there. Just pretend you lived on a small island. If you could see other islands would you want to visit them? See if other people lived there? Maybe even live on another island? Well space is no different. We need to learn what's out there.

2) What groups of people go to space? **Question:** ask Mission Team Members what groups want to go to space?

- Business people go to space. People who use satellites to make a living. TV, telephone, people who take pictures of the earth to help farmers, people who want to open hotels in space or give rides to space.
- Explorers and scientists go to space. People who want to see what the moon is made of. People who want to look out into space and see things they can't see on Earth. People who want to learn about the Earth by looking down at it from way up high.
- Military people go to space. Just like the cavalry in the old west the military is in space with the explorers and businesspersons. They do things in space and use space as a place to look down on the earth, which helps them do their job.

3) How do people work together in space?

- People cooperate in space.
    - Businesses build rockets and satellites for explorers.
    - Military people let other people use their launch pads

- **Question:** Does anyone know what international means?

Define international: Involving two or more nations

- Countries cooperate. 16 different countries are helping build and run the international space station.

Question: What group of people in America work on the Space Station:
Answer: NASA

Question: Are they Explorers, Military or Businessmen
Answer: Explorers and Scientists

Question: Do they work with businessmen and military?
Answer: Yes many of the Astronauts are military people. And over 100,000 people working in over 500 businesses help run the International Space Station.

c. Conclusion. (5 minutes)

In conclusion, as Mission Team Members we need to remember what we learned today. We need to remember there are lots of reasons that we go to space. That right now different groups of people and different countries go to space and that lots of time we can work together to do the things we want to do in space.

4. ACTIVITY

Today's activity is about space news. Each group must come up with one headline for a newspaper for each of the following subjects. After a headline, we are going to draw pictures and write a few words for an article. We will put our work together to make our newspaper. You could say that this is going to be our first space newspaper –The Solar System Times. The articles should talk about the following areas.

Commercial
Military
Exploration
International Cooperation

We're going to break up into groups of three or four and come up with headlines. Then we'll draw some pictures to illustrate the headlines. Finally, we write a few words to describe the scene. We'll share what we came up with the rest of the mission team members. Be creative and when you write your headlines make sure it' about something that you would be interested in. Here's some examples…

First Ice Cream Shop opens on the moon
Galaxy Explorer Mission Team Member Smith discovers Aliens on Jupiter
Canada and Brazil build fastest Rocket ever

5. TRAINING AIDS

None