

Dr. Sheikh Modibo Diarra (Part 1)

Part 1

I. Scientific Achievements of Dr Sheikh Modibo Diarra

- A. works for NASA
- B. occupation is scientist/interplanetary navigator/space engineer
- C. manager of the Mars Exploration Program
- D. created/developed/built/made the Mars Pathfinder Machine
 - 1. machine traveled 497 million kilometers
 - a. landed on the Planet Mars in July 1997
- E. mission to Mars is the first of its kind/first one
- F. in charge of missions to Venus, poles of the Sun and Jupiter

II. Personal Information about Dr. Sheikh Modibo Diarra

- A. originally from Africa//Bamako/Mali
- B. chose occupation because always looking to the planets/ his dream
- C. student project important because brings attention to the positive things Muslims do
- D. has a 4 year old child
 - 1. difficult to travel because of child
- E. has lived in:
 - 1. Africa
 - 2. France
 - 3. United States
- F. How many languages spoken 4
- G. spends most of his time in Africa
- H. hobbies are:
 - 1. playing guitar
 - 2. Karate
 - 3. playing with daughter

Dr. Sheikh Modibo Diarra (Part 2)

Part 2

III. The Mars Exploration Program

- A. has been working on the program since 1993
- B. thinks the environment of Mars could be dangerous
 - 1. still gathering information about the red planet
- C. later their might be people who aren't scientists living on Mars
- D. has the title of *interplanetary navigator* because he created machine and sent it to Mars
- E. mechanical engineer can:
 - 1. design systems
 - 2. build things
 - 3. specialize in heat transfer
 - 4. do navigation
- F. takes approximately from 6 to 7 months to get to Mars

IV. Science Education and Students

- A. things he does to educate students and the community about Mars
 - 1. organize classroom visits
 - 2. set up websites
 - 3. workshops for teachers
 - 4. science competitions for students
- B. space camp
 - 1. good because
 - a. learn things
 - b. meet other people
 - 2. more boys than girls
 - a. believes girls aren't encouraged to study sciences
 - b. must work to create balance between boys and girls
- C. NASA website
 - 1. address is www.jpl.nasa.gov
 - 2. information about
 - a. Mars
 - b. information about Dr. Sheikh Diarra