



Lesson Plan- Ch-11 (Sunita in Space)

Learning Goals	- To learn about earth and its shape, satellites. Stars, moon etc. - Will learn about the phases of moon. - Understand the concept of gravitation. - Read globe, location of places on globe.
Learning Outcomes (LO)	- To understand the concept of shape of Earth, Planets, Satellites, Stars, Moon and spaceship. - To get information about Sunita William & Kalpana Chawla and their experiences in space. - To know about the solar system. - Learners will appreciate different phases of moon.
Teaching Learning Activities Planned	- Basic exposure to the aerial view of the earth and what India looks like from there - Observation from a terrace to draw its aerial view - Reading globe, location of places on the globe - Imagine yourself in a space craft giving an interview to the PM about what you see from there - Map pointing of AP and neighboring countries of India - Experiment to show the gravitational pull Discussion - about the experiences in the space. - Have you heard of people traveling in a space craft ? - Visual Clip on women achievers - reading of photographs - Making Chart/model of space craft - The sky in the day and night What all do you see in the sky –at day time? And at night? How many of the things you see in the sky are man made? investigation ‘night sky’
Questions on TLOs, HOTS	Q.1 Where do we live on the Earth or in the Earth? Q.2 Why the shape of the moon is different on different days? Q.3 Why the moon rises and sets at different times on different day? Q.4 Write about Sunita William's experiences of living in space? Q.5 Why can stars be seen mostly at night?

Life Skills to be developed	• Understanding of causes of day and night. • Able to understand the reason of changing shapes of moon. • Knowledge about gravitational force • Understanding of tides in sea. • Understanding of concept why two wheeler does not fall when it moves.
Suggested Activities to inculcate Life Skills	• Write the names of directions and in which directions things are placed in your school, house etc. • Why we cannot see Sun at night and stars & moon at day time. • Watching national Geographic channels.
Strategies to evaluate Life Skills	• Map the way from your school to your house • Ppt based on space and earth, followed by MCQs • Discussion in the class about earth and its colour • Fill ups based on space- • (a) Sun rises in and sets