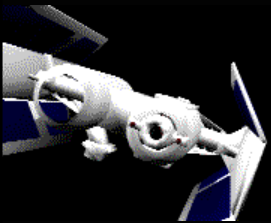


TOPOGRAPHY ASSIGNMENTS: PLAN A TRIP TO THE GRAND CANYON, THEN TO MARS!

Directions- Complete the following:

- 1) The National Geographic lesson “Layers of the Grand Canyon” at the website
<http://www.nationalgeographic.com/xpeditions/lessons/07/g912/canyon912.html>
- 2) The National Geographic lesson “The Technology of the Mars exploration” at
<http://www.nationalgeographic.com/xpeditions/lessons/01/g912/marstech.html>
- 3) Digital Tour/Video Project: The year is 2065. Humans have developed the capability to travel throughout the solar system! You are now grandparents who are planning to take your grandchildren to two destinations for the first time: 1) The Grand Canyon and 2) Mars! Using Google Sketch Up, Cryengine 3, or 3DS Max as well as a moviemaking program, you will produce a tour, in which you compare/contrast the topography and climate of earth’s Grand Canyon to Mars! Both landscapes must be created and presented in 3D- digital form! Provide travelling tips to your grandchildren and get them excited about exploring the physical terrain in these two locations! Use what you learned from the National Geographic lessons to include facts and details in your video tour! Get creative; this is the future, after all!



Mars, 2001, with the southern polar ice cap visible on the bottom.