Favorite Resources for Learning About the Earth, Moon, Sun, and Mars:

Print Resources
Bone, E. 2010. *The solar system*. London: Usborne Publishing.
Branley, F.M. 1998. *The planets in our solar system*. NY: Harper Collins.
Cole, J. 1992. The magic school bus lost in the solar system. NY: Scholastic Press.
Gibbons, G. 1995. *The reasons for seasons*. NY: Holiday House.
Gibbons, G. 1992. *Star gazers*. NY: Holiday House.
Glover, D. 2002. *The big book of space*. Princeton, NJ: Two Can Publishing.
McNulty, F. 2005. *If you decide to go to the Moon*. NY: Scholastic Press.
Rogers, K. 2000. *Pathfinder: Mission to Mars*. Barrington, IL: Rigby Education.
Seymour, S. 1992. *Our solar system*. NY: Harper Collins.

Internet Resources

This website has excellent descriptions of the planets and other objects in our solar system

http://stardate.org/astro-guide/ssguide

This is a link for a simulated landing of the Mars Pathfinder

http://marsrover.nasa.gov/gallery/video/movies/RoverAnimPart2.mov.

Here is a NASA page with links for information about Mars, Mars missions, and multimedia links

http://mars.jpl.nasa.gov/

Lander Rubric:

Lander Name:									
Mars Lander Projects Grading Sheet									
Working well in teams	5	4	3	2	1	х	5 =		
Complete and thoughtful outline	5	4	3	2	1	х	5 =		
Scientific questions and materials	5	4	3	2	1	х	5 =		
Presentation skills	5	4	3	2	I	х	4 =	v.	
Creativity with materials and design	5	4	3	2	1	х	2 =		
Durability (How well did it land?)	5	4	3	2	I	х	2 =		
Appearance of the model	5	4	3	2	1	х	2 =		
Final Grade									

Pre and post-test questions and student work

Solar System Pre-Test/ Post-Test

Answer these questions. Add more paper if you need it.

1. Use **words** and **pictures** to describe the sun, moon, and earth. Use as many of these vocabulary words as you can: atmosphere, size, temperature, star, surface and planet.

2. Use **words** and **pictures** to describe how the sun and earth interact with each other. Use as many of these vocabulary words as you can: rotate, revolve, satellite, tilt, seasons, day, night, northern hemisphere, southern hemisphere, orbit, axis

3. Use **words** and **pictures** to describe how the earth and moon interact with each other. Use as many of these vocabulary words as you can: revolve, satellite, moon phase, orbit, waxing, waning, crescent, gibbous, quarter moon, full moon, new moon

4. Use **words** and **pictures** to describe how the earth, moon and sun all interact with each other. Use the words solar eclipse and lunar eclipse.

5. Describe Mars. How is it similar to earth? How is it different? Vocabulary ideas: surface, atmosphere, size, temperature

6. What are some SYSTEMS that need to be designed and tested by scientists in order to launch, steer, and land a spaceship on Mars?

Use words and pictures to describe the sun, moon, and earth. Use as of these vocabulary words as y many of the ords as you can: atmosphere, size, se questions. Add more paper if you need it. The sunstemporature is Use words and pictures to describe the sun, moon, and earth. Use as many of these vocabulary words as you can: atmosphere, size, temperature, star, surface, and planet. SIZO medulm smallest light, Yound day. stor. hot, and jast Maa give off doesn't mooh moon, in suns atmosphere, PAT Moon his dents in it, round the he mon Earth is one moon, in suns, atmosphe he onl on, mostly water, part land. quator ohere, southern herdosphere, slightly egg e. mas 50 the to votate to revolve around the sun

Student pre- and post-tests

