

Space Exploration Module across the Curriculum¹

The Space Exploration Module will take place during the last Quarter.
Every numbered section will require at least 45 to 60 minutes.

Note: teachers are encouraged to follow each section since they are in sequence.
If time is an issue, you are encouraged to do some of the activities as a science lab.
You are welcome to contact Mr. Mariaca for materials and ideas at
mariacr@ocps.net

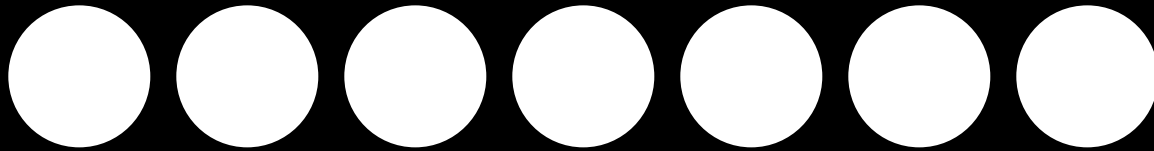
1. Questionnaire or Opinion Activity (TKC)²
2. Risk Box (TKC)
3. What were they (past explorers) looking for? (TKC)
4. How was the solar system created? (Text book, Time Life, Web Sites)
5. How Far to the Sun (AIMS)³
6. Apparent Sizes of planets in the Solar System (AIMS)
7. Strange New Planets Fly-By Missions (TKC)
8. Lining up the Planets (AIMS)
 - 8a. Cosmic Spray Paint (TKC)
 - 8b. Cosmic Poetry (TKC, Text Book, Web Sites)
9. Exploring the Solar System and its Planets (Text Book, Time Life, Web Sites)
 - 9a. Earth and its Moon (Text book, Time Life, Web Sites)
 - 9b. Lunar Observations Record Chart for a month
 - 9c. Exploring Mars (Text book, Time Life, Web Sites)
 - 9d. LA-Mars Vocabulary (TKC)
 - 9e. LA-Mars Bingo (TKC)
 - 9f. Mars Rocks-Fact Sheet (TKC)
 - 9g. Mars Vs. Earth (TKC)
 - 9h. Can you Planet? (AIMS, Text Book)
 - 9i. Why Go To Mars? (TKC power point presentation)
 - 9j. Building Rockets to propel the Mars's bound Vehicles(TKC)
 - 9j.1. Alka-Seltzer Rockets (TKC)
 - 9j.2. Soda Straw Rockets TKC)
 - 9k. How to Land Softly on A Hard Planet (TKC)
10. Martian Obstacle Course (TKC)
11. Determining an Objective and Landing Site (TKC)
12. Mars Rover Parts, MER-taphors and its daily operation (TKC)
13. Martian Mythology (TKC, General Literature, Web Sites)
14. Career Swatter (TKC)
15. Space Exploration Trivia (AIMS, Text Book, Time Life, Web sites)
16. Plaque Dedication for program completion (TKC, RM)

¹ Created By Mr. Mariaca for Bay Meadows Science/Math Lab Club

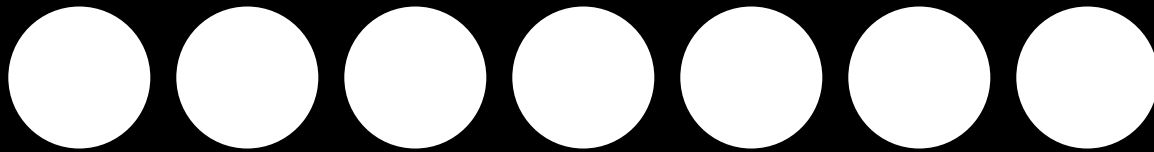
² (TKC) The Keystone Center/NASA

³ AIMS Education Foundation

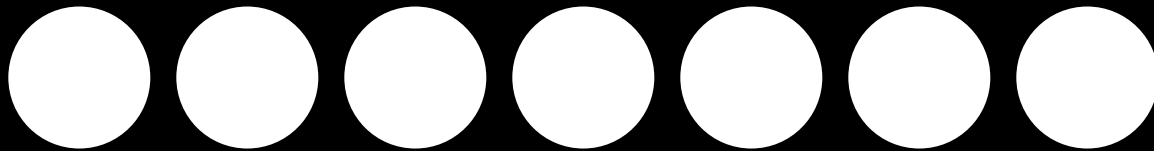
Lunar Observation



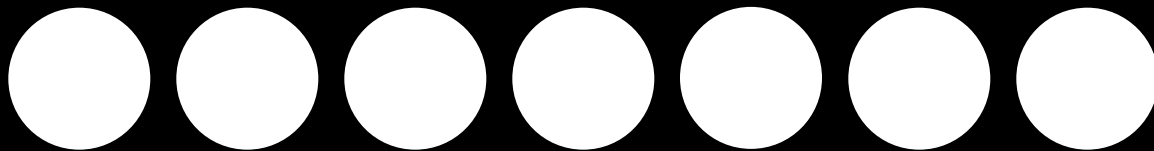
First Week



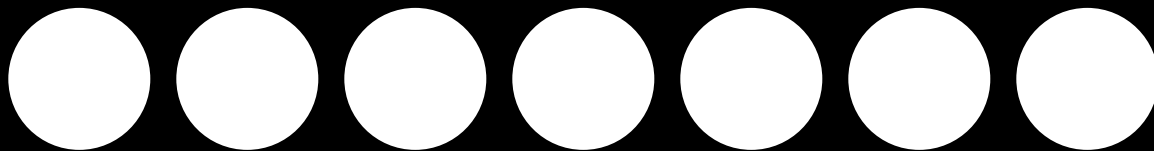
Second Week



Third Week



Fourth Week



Fifth Week

By .Mariaca

