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Inner Planets
Teacher Notes

As space explorers you need to know EVERYTHING about the solar system. Filling in this table will help you get up to speed. The information is in your textbook on pages 450-470.

To calculate your weight on the other planets, multiply your weight on earth by the surface gravity. The formula is:

Weight on planet = Weight on earth x earth's surface gravity (in the form of a fraction)

For example, if you weigh 100 pounds on earth and the surface gravity of the moon is 17% of earth's then:

Weight on the moon = 100 pounds x 0.17 = 17 pounds.

	Mercury	Venus	Earth	Mars
Distance from sun, light minutes	3.2	6.0	8.3	12.7
Period of rotation, days, hours, and minutes	58 Days. 16 hrs.	243 days	23 hrs 56 min	24 hours 27 minutes
Period of revolution, days and hours	88 days	224 days, 17 hours	365 days 6 hours	1 yr, 322 days
Diameter, km	4,878 km	12,104 km	12,756 km	6,794 km
Density, g/cm^3	5.43 g/cm^3	5.24 g/cm^3	5.52 g/cm^3	3.93g/cm^3
Surface temperature, °C	-173°C to 427°C	464°C	-13°C to 37°C	-123°C to-37°C
Surface gravity, % of earth	38%	91%	100%	38%
Your weight				
Picture of planet				
Name of Moons			Luna	Phobos
				Deimos

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