



## 100 Foot Solar System Scale Activity

Take a Solar System Planet packet and follow the 100' scale information to see where each of our planets in our system would be if they were in 100' scale.

Celestial Body	Actual distance (miles)	Scale distance (ft., in.)
Sun	0	0' 0"
Mercury	36,000,000	0' 11"
Venus	67,000,000	1' 10"
Earth	93,000,000	2' 6"
Mars	141,000,000	3' 10"
Asteroid Belt	250,000,000	6' 10"
Jupiter	484,000,000	13' 2"
Saturn	887,000,000	24' 2"
Uranus	1,783,000,000	48' 7"
Neptune	2,794,000,000	76' 2"
Pluto	3,666,000,000	100' 0"



## Solar System Travel

	<b>Distance from Sun</b>	<b>Light Time from Sun</b>	<b>Spacecraft Trip</b>
Mercury	4.5 meters (15 feet)	3.2 minutes	5 months
Venus	8.5 meters (28 feet)	6 minutes	3 months
Earth	11.7 meters (38 feet)	8.3 minutes	
Moon	3 centimeters from Earth	1.3 seconds from Earth	3 days
Mars	17.9 meters (59 feet)	12.7 minutes	8 months
Jupiter	61 meters (200 feet)	43 minutes	1.5 years
Saturn	112 meters (367 feet)	1.3 hours	3.2 years
Uranus	226 meters (741 feet)	2.7 hours	8.5 years
Neptune	354 meters (1161 feet)	4.2 hours	12 years
Pluto	463 meters (1520 feet)	5.5 hours	15 years