

AD - Space Explorer

Planet Scale

This chart shows the distance each planet is from the Sun at different scales. It can help you demonstrate how big space really is. You can use the Safari Ltd planet models on a table, in your house, or outside (perhaps at a park). We have also given the distance if you want to go for a drive. The last column, "Long Drive," is the scale distance if you use the 2" wooden sphere to represent the Earth and the ½ in sphere to represent the moon. The Sun would be about the size of a 3 story building (29 ft) and Neptune would be 11 mi away!

	Actual Distance	Table	Hallway	Outside	Short Drive	Long Drive
Sun	0 mi	0 in	0 in	0 in	0 ft	0 mi
Mercury	35,983,610 mi	0.5 in	3 in	1 ft 11 in	68 ft	0.1 mi
Venus	67,232,360 mi	1 in	6 in	3 ft 7 in	127 ft	0.3 mi
Earth	92,957,100 mi	1.5 in	8 in	5 ft	176 ft	0.4 mi
Mars	141,635,300 mi	2 in	1 ft	7 ft 7 in	268 ft	0.6 mi
Jupiter	483,632,000 mi	6.5 in	3 ft 5.5 in	26 ft	0.2 mi	1.9 mi
Saturn	888,188,000 mi	12.5 in	6 ft 4 in	48 ft	0.3 mi	3.5 mi
Uranus	1,783,950,000 mi	25 in	12 ft 9 in	96 ft	0.6 mi	7.1 mi
Neptune	2,798,842,000 mi	39 in	20 ft	150 ft	1 mi	11.1 mi

Size of Sun	1,391,684 mi	0.02 in	0.1 in	0.9 in	2 ft 7.5 in	29 ft
Size of Earth	7,926 mi	Too Small	Too Small	0.01 in	0.2 in	2 in