

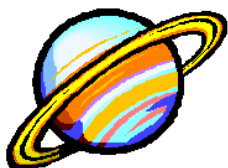
AFTER-VISIT ACTIVITY

Make a Solar System Walk

To illustrate just how far each planet is from the Sun, you and your class can create a Model Solar System outside your school.

Imagine that the Sun is $4\frac{1}{4}$ inches wide. Then the relative distance from the Sun to the Earth would be 38 feet and the Earth would be .039 inches wide.

Create cards or flags for each of the planets that you can secure on the ground. Start with the Sun. Have your students help you measure the distance between planets using tape measures or yard sticks. Add planets at the correct distance from the Model Sun as listed in the table below.



Planet or Dwarf Planet	Distance from the Sun (million miles)	Distance from the Sun (A.U.)	Distance (feet) from the Sun at your school	Width (inches) at your school
The Sun				4.24
Mercury	36	.39	14.7	.015
Venus	67	.72	27.5	.037
Earth	93	1.0	38.0	.039
Mars	142	1.5	57.9	.021
Ceres	257	2.8	105.1	.003
Jupiter	484	5.2	197.7	.429
Saturn	886	9.5	362.4	.355
Uranus	1,784	19.2	729.2	.155
Neptune	2,795	30.1	1,142.7	.150
Pluto	3,670	39.5	1,500.3	.007



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