

**Units of Measure to Create Scale Model of Our Solar System**  
**1 Astronomical Unit = 10 feet**

If you have a 100 yard field, it works well for this activity. We have a 100 yard soccer field, and the distance from one goal post to the other is 300 feet, the distance on this scale between the Sun and Neptune. If you include Pluto, you'll need to go 90 more feet.

Planet	AU	Scale Value (feet)
Sun	0.0 AU	0 feet
Mercury	0.4 AU	4 feet
Venus	0.7 AU	7 feet
Earth	1.0 AU	10 feet
Mars	1.5 AU	15 feet
Asteroid Belt	2.8 AU	28 feet
Jupiter	5.0 AU	50 feet
Saturn	10.0 AU	100 feet
Uranus	19.0 AU	190 feet
Neptune	30.0 AU	300 feet
Pluto (optional)	39.0 AU	390 feet