

# Field solar system



## Overview

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The Solar System is the gravitationally bound system of the Sun and all celestial bodies that orbit it. 4 AU and Pluto, the object formerly known as a planet, orbits at an average distance of 40 AU. On this scale, the Sun - by far the largest thing in our solar system - is only a ball about 17 mm in diameter sitting on the goal line - that's about the width of a. Pluto is very far away! The purpose of today's lab is to allow you to develop a better appreciation for the distances between the largest objects in our solar system, and the physical sizes of these objects relative to each other. [11] The system formed about 4.5 billion years ago. It has an equatorial diameter of about 143,000 km (88,900 miles). What is Jupiter made up of?

Jupiter is composed primarily of hydrogen and helium.

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### Solar System - Definition, Facts, Planets

Learn about the solar system in astronomy. Get its definition, discover the planets in order, and get interesting facts.

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### The Size of the Solar System

We are making a scale solar system, where 40 AU - the distance from the Sun to Pluto - is the equivalent of 100 yards. That means the Sun will be on the 0-yard line, and Pluto is at the 100-yard line.

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### ESS



### 7 Scale Model of the Solar System

We will properly distribute our planets on the football field in the same relative way they are distributed in the real Solar System. The length of the football field will represent the distance between the Sun and the planet Pluto.

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### Football Solar System Lab

We will properly distribute our planets on the football field in the same relative way they are distributed in the real Solar System. The length of the football field will represent the distance between the Sun and the dwarf ...

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### Football field Solar System

On our football field, you'd find them scattered like so many slow-moving linebackers between the four and eight yard lines. In real distances that's an average of roughly 300,000,000 to 600,000,000 km (186,000,000 to ...

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### Copy of Solar system on a football field

Between 30-50k AU Oort Cloud is located between 100-400 thousand yards from the end zone. Between 50k - 200 k AU On this scale, the Oort Cloud would be located 57 miles from our school, near Boynton Beach, FL.

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### Jupiter , Facts, Moons, Rings, Temperature, Size, & Color , Britannica

Jupiter, the most massive planet in the solar system and the fifth in distance



from the Sun. It is one of the brightest objects in the night sky; only the Moon, Venus, and sometimes Mars are more ...

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## How Big Is the Solar System?

In an effort to bring these vast distances down to Earth, we've shrunk the solar system down to the size of a football field. On this scale, the Sun, by far the largest thing in our solar system, is only a ball ...

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## Solar System

Use these resources to learn about the work of National Geographic Explorers including Munazza Alam, Cynthia Chiang and Sophie Dia Pegrum, and to teach students about the objects and relationships ...

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## Solar System

Besides solar energy, the primary characteristic of the Solar System enabling the presence of life is the heliosphere and planetary magnetic fields (for those planets that have them).

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