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Demoquiz 1 (150) Scale Model of the Solar System
51 points available Understanding math and scale are important to being responsible citizen scientists, and important to understanding models. If it's been a while since you last had to do any math, don't worry - this assignment provides you the opportunity to dust off the "math-gears" in your brain and put ???



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Goal: Set up scale model of solar system using Excel and this building. 10 Billion to one scale. How many AU is this building on that scale? We estimated the length of the building to be about 160 meters. $1 \text{ AU} = 1.5 \times 10^{11} \text{ meters}$. Divide 1×10^{10} (10 billion) to get 15 meters.



I guess this is why most maps of the solar system aren't drawn to scale. It's not hard to draw the planets. It's the empty space that's a problem. Most space charts leave out the most significant part ??? all the space. We're used to dealing with things at a much smaller scale than this.

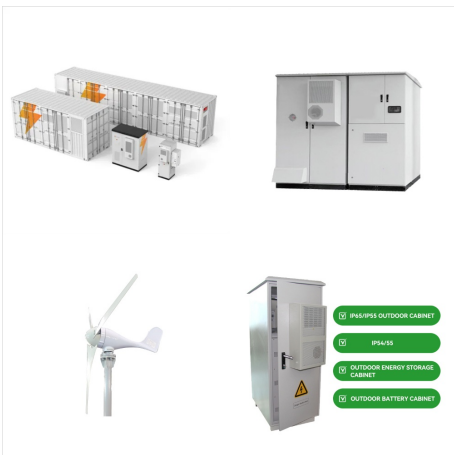


What is the purpose of a map of the solar system? The purpose of a map of the solar system is to help us understand the vastness of space and the relationships between celestial bodies in our solar system. How is a map of the solar system created? A map of the solar system is created using data collected from satellites, telescopes, and other

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Artist and designer Josh Worth has created a great web page that is actually a scaled model of our solar system. He scaled the Moon to only one pixel (the radius of the Moon is 1,737 km / 1079.322 miles) and put the planets and other objects like the Kuiper Belt accordingly.



??? (6th-8th) ESS1.A The Universe and its Stars - The solar system is part of the Milky Way, which is one of many billions of galaxies. ??? (6th-8th) ESS1.B Earth and the Solar System-The solar system contains many varied objects held together by gravity. Solar system models explain and predict eclipses, lunar phases, and seasons.



An "accurate" representation of our solar system. With decent background music, make sure you play around with the settings to your left and turn on "Realistic Model" and "Realistic Sizes" Also the pathing on comets/planets/etc. is fun to see.

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It's called the Voyage Scale Model Solar System. It starts in front of the Smithsonian Air and Space museum, and has all of the planets (plus Pluto and the asteroid belt between Mars and Jupiter). Everything is to scale, and it really puts into perspective just ???



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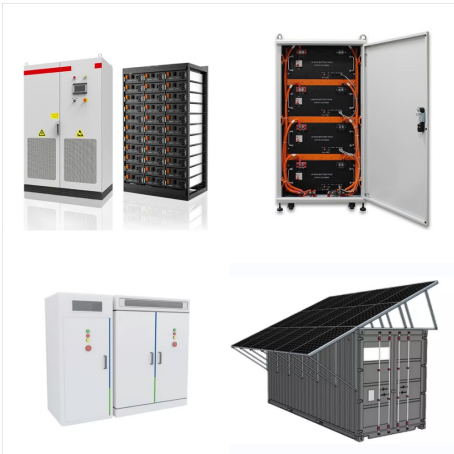


Pocket Solar System Create a pocket-sized model that shows the relative distance of the planets in our Solar System. Have fun with fractions as you discover just how much space is in space! TEKS: SCI 3.8 D: The student is expected to identify the planets in Earth's Solar System and their position in relation to the Sun.

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All this space in our solar system, it boggles the mind. Then consider: Our star is one of a hundreds of billions that make up the Milky Way galaxy, which is considered somewhat small among galaxies. Speaking of galaxies, there are estimates that there may be around 500 billion galaxies in the universe, if there isn't simply an infinite number



VIDEO ANSWER: We are given the sun, the moon and the earth, and we are going to find the distance between the sun and the earth. Our planets are drawn to form a right triangle and the right triangle that is formed is this one over here where we have



If the Moon Were Only 1 Pixel A tediously accurate scale map of the solar system that illustrates the mind-boggling amount of space between planets. This started as a personal curiosity project and ended up getting posted on hundreds of websites, featured in museum exhibits, used as a teaching tool by science educators, and.

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The Scale of the Solar System! Grade level 6-8
Standards MS-ESS1-3. Analyze and interpret data
to determine scale properties of objects in the solar
system. Goals - Students will use information about
the planets to hypothesize about their relative sizes
and distances from the Sun - Students will deduce
the relative sizes of the planets based



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The official unofficial subreddit for Elite Dangerous,
we even have devs lurking the sub! Elite Dangerous
brings gaming's original open world adventure to the
modern generation with a stunning recreation of the
entire Milky Way galaxy.

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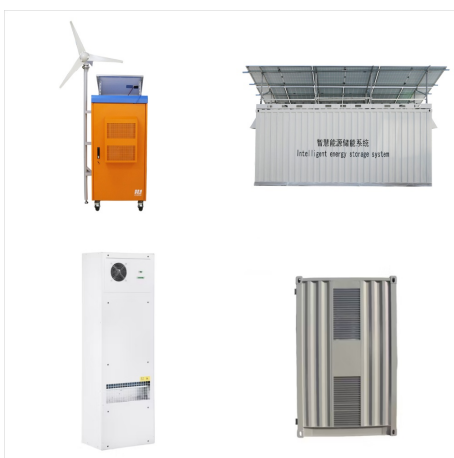
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Around 90% of the Milky Way's stars lie closer to the galactic center than ours does, 1 so in that sense, we are pretty far out. In distance, not so much. The galactic disk does not have a well defined extent, but its main component (the "thin disk") is well approximated as having a scale length around 3 kpc (10 000 light years) and a scale height around 0.3 kpc (1000 light years). ???



A tediously accurate scale model of the solar system When I was growing up, I watched a lot of Star Trek. Over time I've looked into other Sci-Fi series. The occasional hit, like the reimaged Battlestar Galactica, caught my attention. But, for me, the voyages of the Enterprise defined "space" to me. Or the stories



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