

Primary Earth & Space: solar system in my pocket

Solar system in my pocket: how to create a useful guide to the solar system.

The Ogden solar system in my pocket Phizzi practical resource sheet can be found on our website with a range of other primary curriculum resources:
www.ogdentrust.com/resources.

Transcript

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Hello - my name's Hayley Moyle and I'm from Hillstone Primary School and our school is part of

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the Ogden Trust pilot partnership. I'm here today to show you a demonstration based on the solar

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system. It's called solar system in your pocket. Really easy one to do - all you'll need is one meter

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of till roll, some larger coloured circle stickers, and some smaller coloured circle stickers and then some

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printed labels of the planets, or the children can write the names of the planets onto their pocket

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solar system themselves. So here's one I made earlier and that is our endpoint for today's

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demonstration. So to start off with take your till roll and you'll need to create equal 8ths, so fold it

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in half, then in half again to create quarters and then in half for a final time to create the

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8ths. Open it back up - so a larger circular sticker, a yellow one, represents the sun - I am going to stick that and fold it so it comes half-way around.

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Now the farthest point of our solar system for today will be Pluto, so just draw a little black dot for Pluto.

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The next point to look at is, we're going to have a think about Uranus now this is a great way to

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dress some misconceptions that many children have about the solar system. Often students think that

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Uranus is really far away from the Sun one of the furthest planet because it's one of the final

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planets that they named however it is actually the middle distance between the Sun - the centre

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of the Sun - and Pluto; then working back from Pluto if we count two eighths back on that fold there, we'll

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stick one of the largest stickers for Neptune past Uranus, and from Uranus count another two eighths and then

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use another larger sticker for Saturn. Now I like to draw some rings around Saturn to represent the

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ice and dust. So then one eighth back from Saturn will be our final larger planet, the largest planet,

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which is Jupiter - and again the children can be sticking their labels on or simply writing the

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names on. Then we're going to concentrate on the first eighth, this is where our inner planets lie. Fold that

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in half first of all, and this fold will become our asteroid belt, then inside the asteroid belt,

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between the Sun and the belt, we're going to use the smallest stickers to represent the smaller inner

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planets - so obviously closest to the Sun we'll have Mercury then Venus, Earth and finally Mars. So this is

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the end point of our demonstration, and you can see on the far side I've got the larger yellow

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sticker representing the sun, then the smallest stickers - Mercury, Venus, Earth and Mars and the asteroid belt; as

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we reach the first fold, the first eighth, we've got Jupiter - on the next fold you'll have Saturn, your

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halfway point is Uranus, two folds later Neptune, then the furthest point in our solar system - Pluto.

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So on our end point here, we've actually had the children create some facts that they have

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added to the stickers representing the planets - a fantastic resource for the children to fold up, pop

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in their pocket - take it home, share the learning with their family, stick it on the fridge, put it

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up in their bedroom - a great resource for them to reference when learning about the solar system.

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The Ogden Trust Directed by Oliver Richards

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