Earth

Moon

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Scale model of the Sun, Earth and Moon system

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Introduction:

The purpose of this activity is to allow you to experience a correctly scaled model of the Sun, Earth and Moon system. The model shows both the distance between the three celestial objects as well as their sizes. The scale used in this model is 1 cm = 69,598.9km.

Equipment required

* 25 meter measuring tape
* Printed version of this file (both pages)

Procedure

1. Take the equipment and yourself to an oval.
2. Unroll the measuring tape (to the 22 metre mark) and place it on the ground).
3. Place the Sun at the start of the measuring tape.
4. Place the Earth and Moon card (at left) at the 21.49 metre mark.
5. You can walk between the 'Sun' and 'Earth and Moon' cards so that you experience how far apart the 'Sun' and 'Earth and Moon' are.

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Sun

Scale: 1 cm = 69,598.9 km

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