

Planetary Path

Model of the solar system on a scale of 1:1 billion, relates to distances (as the crow flies) and object sizes
Consists of information stations with internet access via QR codes:

- Sun with two information panels as the centre
- Eight planets with the largest moons
- Dwarf planets with the moon Charon
- Panels with additional information about the solar system

Sun: Rathaushof, Müllrose, Germany

Panels: Along hiking trails through six communities

(Length of the trail approx. 25 km)

Eisenhüttenstadt - Sponsored by:

Steffen Schneider, Müllrose

Medellin - Sponsored by: Steffen Schneider, Müllrose

Słonsk – Sponsored by: Ingo Perschke, Müllrose

Planetary Path

With the, which is supposed to represent our solar system, we want to give you a vivid idea of the huge distances in space. We have chosen the scale 1:1 billion for our planetary path. This means that one meter in the Müllrose Planetary Path actually means 1 million km. The distances on the path as well as the sizes of the celestial bodies are reduced according to this scale. Due to this reduction in the size of the planetary system, you can move between the planets by means of a leisurely walk at about four times the speed of light. According to the nomenclature of the starship "Enterprise", this corresponds to a speed of WARP-2.

When evaluating the distances you have to consider that the planets in the solar system are very close to each other compared to the distances of stars or even galaxies. The closest star to the sun, Proxima Centauri with a distance of about 4.3 light-years, you would reach after one orbit of the earth according to the scale of the planetary path. The distance to the centre of our Milky Way would then be about 1.5 times the distance to the Sun. The distances of the galaxies are hardly imaginable even in the scale of our planetary way.

In the planetary path, the sun as the centre of our solar system is the starting point of the walk (space flight). From the sun, you can move past all planets up to Neptune. At each point where a planet is located you will find a table. There can also be several steles if the planet has large moons. On the table, you get a short information about the planet and the moons. You can also read a QR code that will direct you to a website with more information.

Other highlights of your space flight include the flyby of the dwarf planets, the flight through the asteroid belt, the visit to the trans-Neptunian objects and the exploration of the heliopause and the termination shock. You can also find out about comets, moons, Trojans, the interplanetary medium, visitors from the galaxy and gravity on the information boards. You will find some information about the next destinations outside the solar system on the last panels of your hike.

Have fun exploring our solar system!

Sun and Planets:

Sun:

https://astrowis.de/wp-content/uploads/Zentralgestirn_Sonne_englisch.pdf

Mercury:

https://astrowis.de/wp-content/uploads/Planet_Merkur_englisch.pdf

Venus:

https://astrowis.de/wp-content/uploads/Planet_Venus_englisch.pdf

Earth:

https://astrowis.de/wp-content/uploads/Planet_Erde_englisch.pdf

Mars:

https://astrowis.de/wp-content/uploads/Planet_Mars_englisch.pdf

Jupiter:

https://astrowis.de/wp-content/uploads/Planet_Jupiter_englisch.pdf

Saturn:

https://astrowis.de/wp-content/uploads/Planet_Saturn_englisch.pdf

Uranus:

https://astrowis.de/wp-content/uploads/Planet_Uranus_englisch.pdf

Neptune:

https://astrowis.de/wp-content/uploads/Planet_Neptun_englisch.pdf

Extra-solar information boards

Beyond_the_Solar_System:

https://astrowis.de/wp-content/uploads/Jenseits_des_Sonnensystems_englisch.pdf

Galactic_Visitors:

https://astrowis.de/wp-content/uploads/Info_Galaktische_Besucher_englisch.pdf

Gravity:

https://astrowis.de/wp-content/uploads/Info_Gravitation_englisch.pdf

Star_Rigel_B:

https://astrowis.de/wp-content/uploads/Stern_Rigel_B_englisch.pdf

Stone_of_Kobbeln:

https://astrowis.de/wp-content/uploads/Kobbelner_Stein.pdf

Information material

Flyer for the Planet Trail:

https://astrowis.de/wp-content/uploads/flyer_Planetenweg_englisch.pdf

Maps

(Source: <https://www.openstreetmap.de/karte.html>)

Maps for the Planet Trail:

https://astrowis.de/wp-content/uploads/Karten_planetenweg_englisch.pdf