



THE SOLAR SYSTEM WORKSHOP



Dear Educator:

Thank you for choosing to bring your students to the Planetarium.

When you arrive, check in at the box office on the Planetarium level. For payment, you will be required to know the exact number of students and adults in your group.

Store outerwear, lunches, backpacks, etc, in the cloakroom in the lower level. No backpacks in the Planetarium. The Manitoba Museum is not responsible for loss or theft; valuables should be left at home or school.

For further information, please visit our website www.manitobamuseum.ca or call 988-0626.

Visiting the Planetarium

The Planetarium Star Theatre immerses the audience in the darkest night skies, takes us on adventures to other planets and moons or even on a journey inside a living cell.

Our staff will greet you outside the Planetarium, reiterate the rules and seat you in the theatre. Feel free to discuss the expectations with your class prior to arriving at The Manitoba Museum.

Planetarium Rules

1. Food and drink are not allowed in the Planetarium. No gum, please.
2. Please refrain from talking during the show out of respect for others in the theatre.
3. Please turn off cell phones.
4. Photography is not permitted during the planetarium show.
5. Do not put your feet on your seat, or the seat in front of you, please.

Class control remains the teacher's responsibility.

Grade: 6
Cluster: The Solar System
Duration: 45 minute show
1 hour workshop

Program Outline:

The program begins in the planetarium with a live presentation about constellations, the Earth and the components that make up our solar system. Following the show, students participate in a workshop that allows them to simulate remote sensing and explore an uncharted planet. Once the planet's surface is mapped out, students must decide where to land their exploration rovers, based on a variety of factors.

Vocabulary:

Here is a list of words used during this Planetarium show:

Solar System, Sun, star, Earth, rotation, axis, day, night, revolution, season (Winter, Spring, Autumn, Summer), light pollution, constellation, North Star, North Pole, cardinal point (North, South, East, West), Moon, phases of the Moon, planet (Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune), dwarf planet or plutoid (Pluto, Ceres, Eris), terrestrial, gaseous, galaxy, meteor, comet, aurora borealis (northern lights), energy, air, oxygen, nitrogen.



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