A portable planetarium in your city

Discover the cosmos from the front row

TEACHER'S GUIDE

Hello, teacher!

Are you ready to take your pupils on an inspiring journey into the cosmos? At Planetarium Go!, an immersive full-dome cinema, your pupils will enjoy a unique educational experience with high-quality projections, hands-on activities, and content tailored to all key stages.

This guide has been designed to be easy to use, interactive, and practical, providing support before, during, and after your visit. It is a living document and will continue to evolve—your feedback is always welcome.

Don’t miss out: we will be in your city for a limited time!

Discover Planetarium Go! UK

OUR MISSION

We believe that everyone deserves to feel the wonder of the universe. Our mission is to make astronomy accessible, exciting, and deeply inspiring / sparking curiosity about our planet and the cosmos beyond.

We aim to bridge the gap between science and imagination transforming complex astronomical concepts into immersive experiences that anyone can enjoy.

By travelling from city to city, Planetarium Go! brings the night sky to communities who might never have the chance to see it clearly, reminding us all that curiosity, discovery, and wonder belong to everyone under the same stars.

DEVELOPMENT OF THE VISIT

Upon entry, all pupils and teachers attend a projection adapted to their educational level, guided by our planetarium guide. After the session, pupils are encouraged to share their ideas and questions.

Although each program is recommended for a specific educational level, schools are free to choose the one that best suits their interests. The contents and projections are detailed below.

COMPLEMENTARY ACTIVITIES

Our educational proposal offers two screenings for the price of one. Additionally, if we have specialized staff available, we can enrich the experience with practical workshops including:

"Discover your sky"
A 360º guided tour of the stars and constellations using a night sky simulator in the planetarium.

"Our star"
Exploration of the Sun and its effect on life on Earth using safe optic instruments.

These complementary activities allow students to deepen their scientific knowledge and encourage their active participation.

Plan your visit

HOW TO ARRANGE A VISIT

1. BOOK YOUR VISIT VIA EMAIL

Indicating:

- Details of the centre (name, town, telephone, e-mail address).
- Contact person details.
- Preferred date.
- Time.
- School year(s)
- Expected number of pupils and teachers.
- Selected films and workshop, if applicable.
- Method of payment.
- Observations.

2. BOOKING CONFIRMATION

After completing the booking, you will receive an e-mail confirming the reservation and providing any additional information.

3. FINAL CONFIRMATION OF ATTENDEES

Two weeks prior to the visit, we would be grateful to receive an email with the final number of participants.

IMPORTANT DETAILS

- School visits take place from Wednesday to Friday, on school days.
- When you make your reservation, you will be informed of the different times available for visits throughout the morning.
- Our sessions have a maximum of 60 people per session (the capacity of the planetarium).
- The duration of the visit is approximately 1 hour.

CONTACT

- Email: schools@planetariumgo.co.uk
- Web: www.planetariumgo.co.uk

Films

Recommended screenings by educational level

FILMS BY EDUCATIONAL LEVEL

Films	Foundation Stage		Primary Education						Secondary Education					Sixth Form	
	EYFS		KS1		KS2				KS3			KS4		KS5	
	N	RC	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13
Little Red Riding Hood Grandma's Telescope 															
The Girl Who Walked Upside Down  															
3-2-1 Liftoff! 															
Beyond the Sun  															
Exploring the Solar System The Ring World 															
From Earth to the Universe 															

Films

Contents

Little Red Riding Hood Grandma's Telescope

Discover the Stars with Little Red Riding Hood

Join Little Red Riding Hood on an enchanting journey where curiosity and exploration take center stage.

This time, their mission is not only to reach their grandmother's house, but also to discover the wonders of the night sky thanks to a very special **telescope**. In this magical experience, students will be able to understand the **seasons of the year**, identify **constellations**, find **Polaris** and learn about the **planets** of the solar system, guided by the endearing characters of the story.

The immersive planetarium experience combines visual wonders and interactive storytelling to spark students' scientific curiosity and interest in learning.
Who knew that Little Red Riding Hood's forest could also be a gateway to the universe?
Teachers and students won't want to miss this cosmic tale!

Didactic Objectives

1. The **seasons of the year** and their chaIdentifyingracteristics.
2. Recognizing basic **constellations** and the **North Star**.
3. Learning about the **planets** of the solar system and their main features.
4. Understanding the **rotation and translation** of the Earth.
5. Sparking interest in the night sky and **astronomy**.
6. Practicing **active listening** and **guided participation**.
7. Relating **traditional stories** with scientific concepts.

Before the visit

In order to make the most of the planetarium visit, it is recommended that teachers work on these concepts:

1. **Seasons of the year:** Identify their names, characteristics and relationship to the position of the Earth relative to the Sun.
2. **Day and night:** Recognize how they alternate and their relationship to the Earth's rotation.
3. **Constellations:** Explain them, their identification and highlight the Big Dipper, Little Dipper, and Polaris
4. **Solar system:** Name the planets and highlight basic differences such as size and composition.
5. **The Moon:** Know its phases and its importance.

Complementary educational resources

Stellarium Web allows you to observe the night sky in real time and locate constellations such as the Big Dipper, the Little Dipper and Polaris, as seen in the film. Ideal for reinforcing astronomical orientation and constellation identification with pupils.

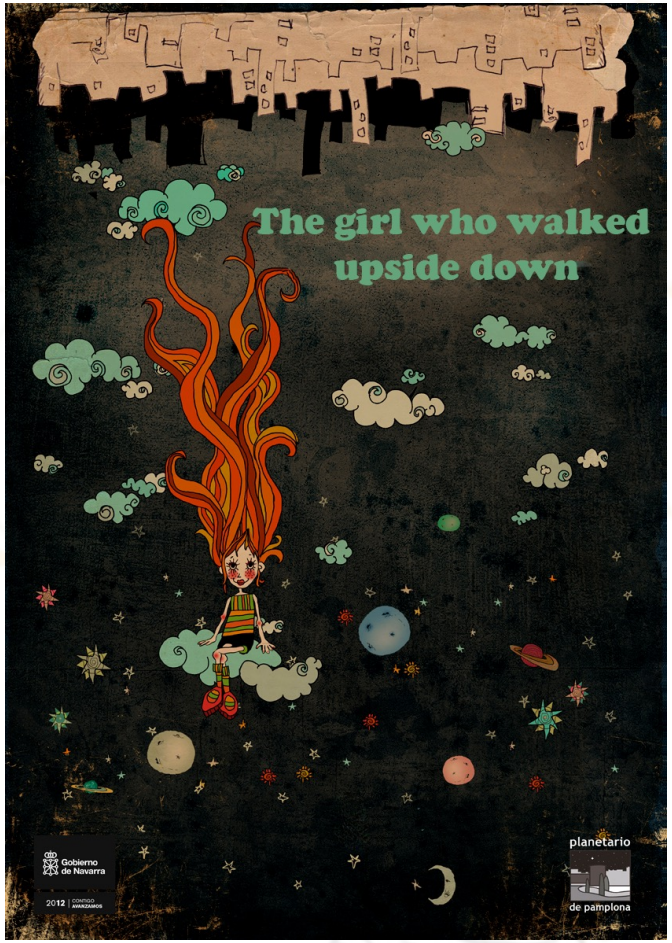
Solar System Scope is an interactive tool for to explore the planets of the solar system. It serves to expand on what you have learned about Mercury, Venus, Mars and other planets mentioned in the film.

Space Place NASA is a NASA website where you can find activities, videos and simple and educational games for kindergarten and primary school with resources about the solar system and space as seen in the film.

RSAstro This resource presents interactive games where students can join dots to form constellations and learn their names. It is very visual, ideal for children, and encourages curiosity in identifying shapes in the sky.

ESA Kids The European Space Agency's educational portal offer games, activities and fun facts about space.

The Girl Who Walked Upside Down



Trailer

Didactic guide

See the world from a different point of view

The girl who walked upside down is a very special character... She came to us one spring day after a big storm, walking upside down through the rainbow. The girl who could walk upside down had a very particular view of things, perhaps because of her peculiar way of walking.

She knows the secrets of the **moon**, she knows how to listen to the **tides**, and she often talks to the trees... But her favourite thing to do is to eat cake with her friends while gazing at the **starry sky**. Maybe that's why she learned to walk backwards a long time ago, so that she can always have the sky under his feet.

The girl who walked upside down is an upside-down tale. A story turned upside down that wants to invite us to contemplate what surrounds us from a **new point of view**. Here everything is different, and where before we only saw the ground, now perhaps we can see the sky.

Didactic Objectives

1. Encouraging curiosity about the **night sky**.
2. Understanding the importance of reducing **light pollution**.
3. Recognizing the **phases of the moon** visually.
4. Interpreting **constellations** and figures in the sky.
5. Promoting **critical thinking** by changing perspectives.
6. Respecting **nature** as part of the astronomical environment.

Before the visit

In order to make the most of the planetarium visit, it is recommended that teachers work on these concepts:

1. Light pollution: Explain what it is and how it affects stargazing.

2.The night sky: Introduce the constellations (Ursa Major, Leo and Cancer, and their mythological stories).

3.The Moon and its phases: Work out the difference between waxing and waning.

4. The importance of trees and the sea: Emphasis their role in the balance of nature and as part of the environment that connects us to the sky.

5. Imagination and creativity: Encourage children to identify shapes in the sky, both in the clouds and stars.

Complementary educational resources

Didactic material "The girl who walked upside down" This resource complements the film and offers activities to do before, during and after the screening.
The content includes educational objectives, creative activities related to the night sky and nature, and strategies to encourage students' curiosity and imagination.

Stellarium Web is useful to explore the constellations mentioned in the film. Pupils can look for celestial figures and relate them to their stories.

Light Pollution Map This resource shows students how artificial light affects stargazing in different parts of the world.

Globe at Night A citizen activity where students and teachers can report the brightness of the night sky from their local area, understanding the impact of light pollution and contributing to its preservation.

3-2-1 LIFTOFF

Trailer

Workbook

Most projections talk about space. This story, however, talks about how hard it is to get there...

In a landfill, amid mountains of scrap metal, lives a group of rodents. Among them is the hamster Elon, who, unlike his fellow hamsters, is very fond of science and has the soul of an engineer.

One day, something mysterious from outer space falls into the rubbish dump: inside the impact crater, a robot appears from the spacecraft in which he was travelling and which is currently orbiting the Earth.

Putting all his **scientific knowledge** to the test, Elon will try to bring the robot back to his **spacecraft**, before it is too late.

A funny, colourful and interesting film in the fulldome format for planetariums.

Didactic Objectives

1. Valuing **the work of scientists and engineers**.
2. Valuing the **figure of the teacher**.
3. **Encouraging scientific and teaching vocations**.
4. Reflecting on the **difficulty of leaving Earth**.
5. Accepting **differences between people** and promote understanding of those who are different.
6. Valuing **friendship**.

Before the visit

In order to make the most of the planetarium visit, it is recommended that teachers work on these concepts:

1. The **composition of the atmosphere** at different altitudes varies.
2. Basic ideas about **hot-air balloon flight** and its limitations.
3. Basic ideas about **the flight of an aeroplane** and its limitations.
4. Basic ideas about the **flight of a rocket**.
5. **Principle of action and reaction**.

Complementary educational resources

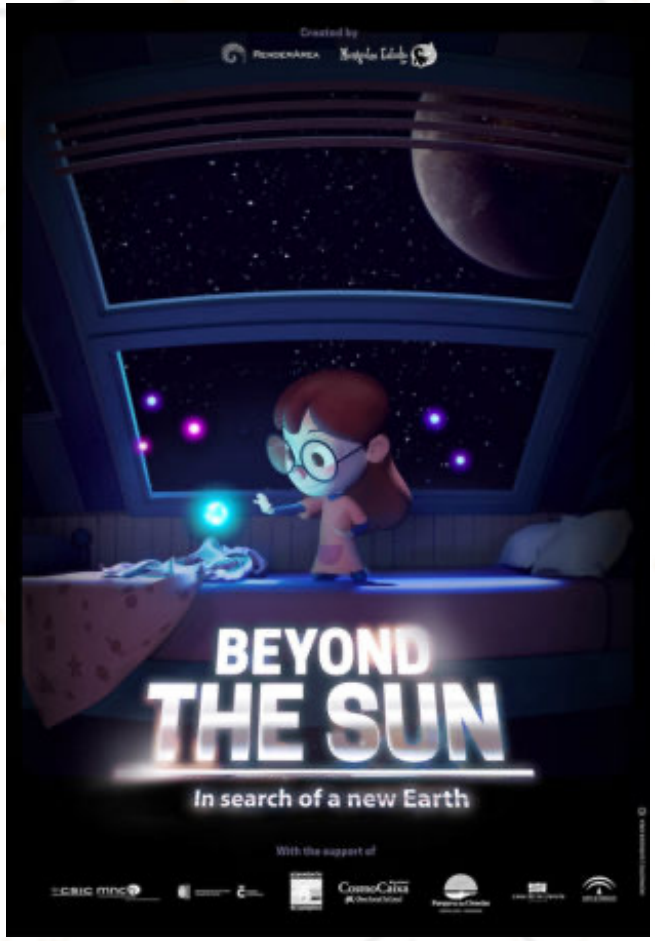
The free Stellarium software allows you to recreate the sky from any location and for any chosen day and time. We can use it over the course of a quarter to see how the sky is changing as the days and hours pass.

The Unawe project provides several model rockets to build in class and launch in the playground.

Within the CESAR educational project, we find a series of interesting activities related to rockets, while the Mission to the Moon section offers a booklet about the solar system.

The ESA kids' website offers videos and very interesting activities to work on all these topics.

Beyond the Sun



Trailer

Guide book

A Journey to the Worlds Beyond the Sun

While Celeste is fighting sleep in her room reading an **astronomy** book, she receives an unexpected visit from Moon.

Together they will enjoy a journey through the Universe to discover what **exoplanets** are and how they can be detected.

They observe rogue planets, ocean worlds and super-Earths. Luna tells him about exoplanet hunters, who scan the sky for planets like Earth.

This film immerses us in the fascinating world of exoplanets, revealing the latest findings and **scientific advances** in their exploration. It is the result of a collaborative project amongst five Spanish planetariums, designed to spark curiosity and encourage scientific vocations among students, bringing them closer to astronomical research.

Didactic Objectives

1. Learning about advances in astrophysics related to **exoplanets**.
2. Awakening **scientific interest** by eliminating gender stereotypes.
3. Inspiring **scientific vocations** from an early age.
4. Learning about **methods** used to detect extrasolar planets.
5. Identifying the **conditions necessary for life** on a planet.
6. Understanding the difficulty of finding habitable worlds and **value our planet**.

Before the visit

In order to make the most of the planetarium visit, it is recommended that teachers work on these concepts:

1. Number of **stars and planets** in the Universe.
2. **Exoplanets** and their search as "new Earths".
3. **Detection methods**: Transit, Radial velocity and Doppler effect.
4. **Composition** of exoplanets and **habitable zones**.

Complementary educational resources

The didactic guide is a perfect complement to the film, integrating the most important concepts and ideas that are developed in the film. Entertainment, scientific supervision and clarity are the foundations of this guide. Do not miss its content.

The proyect Planethunters offers the opportunity to participate in the detection of exoplanets.

With NASA's Eyes on Exoplanets proyect we can visualize any of the thousands of exoplanets discovered.

NASA´s Astrobiology in the Classroom is a great to learn about the conditions that enable life in the Universe.

The proyect Backyard Worlds: Planet 9 allows for the analysis of data from NASA's WISE mission in the search for new exoplanets.

Exploring the Solar System The Ring World

Trailer Exploring the Solar System

Trailer The Ring World

A journey through the solar system and beyond

Exploring the Solar System - The Ring World is a double feature film that takes us to discover the secrets of our cosmic neighbourhood in two parts.

In the first, Exploring the Solar System, we explore the **Sun and the inner planets**, stopping at wonders such as the Moon, Venus, Mars, the asteroid belt and comets.

The second part, The Ring World, takes us to the **outer planets** and **the far reaches of the solar system**, ending on a nearby **star**, Gliese-581.

Throughout this double journey, we will explore the main bodies of the solar system and reflect on the **conditions necessary for life**. In addition, we will visit **nebulae** where planetary systems are born and discover the possibilities of life in Gliese-581 g.

Didactic Objectives

1. Understanding the scales and objects in **the solar system**.
2. Recognizing **planets, comets, asteroids** and **dwarf planets**.
3. Introducing the **habitability zone** and **exoplanets**.
4. Identifying the **conditions necessary for life**.
5. Reflecting on the search for habitable worlds and the **conservation of the Earth**.

Before the visit

In order to make the most of the visit to the planetarium, it is recommended that teachers work on the following concepts :

1. Characteristics of the **planets of the solar system**.
2. **Comets**, **asteroids** and areas such as the **Kuiper belt**.
3. Requirements for the **existence of life** on a planet.
4. Star-forming **nebulae**.
5. Concept of **habitability zone**.
6. **Exoplanets** and the search for them, such as Exo-Earths.

Complementary educational resources

The ESERO proyect offers several very interesting guides and resources on the detailed study of the solar system and the search for life.

The Planethunters citizen science project offers the opportunity to participate in the detection of exoplanets.

With NASA's Eyes on Exoplanets, it is possible to visually explore thousands of exoplanets discovered so far.

Astrobiology is a graphic novel series that explores the many facets of astrobiology: the study of the origin, evolution, and distribution of life in the Universe.

The Backyard Worlds: Planet 9 project enables the analysis of data from NASA's WISE mission in the search for new exoplanets.

From Earth to the Universe

Trailer

A journey through time

The **night sky**, both beautiful and mysterious, has been the subject of campfire stories for as long as our species has inhabited this small planet.

The desire to **understand the universe** is humanity's oldest intellectual experience, although it is only with the advent of modern science that we have begun to understand our place in the cosmos.

To find out more about this voyage of discovery, from the theories of the ancient Greeks to observations with the largest telescopes, we invite you to experience this **fascinating journey**... From Earth to the Universe.

Didactic Objectives

1. Identifying key contributions to the **history of astronomy**.
2. Describing characteristics of the **planets** of the Solar System.
3. Explaining the organization of **galaxies and clusters**.
4. Analyzing the impact of telescopes and **space exploration**.
5. Awakening **scientific curiosity.**
6. Practicing **astronomical observation** and use of tools.

Before the visit

In order to make the most of the planetarium visit, it is recommended that teachers work on these concepts:

1. **Astronomy:** Definition and relevance.
2. **Solar System:** Basic knowledge of planets and the Sun.
3. **Galaxies:** Understanding their organization.
4. **Telescopes: Function and evolution.**
5. **Space Exploration:** Brief history and impact.
6. **Natural Cycles:** Concept of cycles in celestial bodies.

Complementary educational resources

NASA's Solar System Exploration provides detailed information about each planet in the solar system, aligning with the content of the film.

ESO offers educational materials related to the work of the different observatories we see in the film, allowing students to delve deeper into modern astronomy and space exploration.

Within National Geographic Space we can find articles and videos about space phenomena and exploration missions, complementing the film's script.

The Stellarium app allows both pupils and teachers to observe the sky in real time, helping them to identify constellations and planets mentioned in the film, encouraging hands-on observation.

Special visits

Special Educational Needs and Disabilities (SEND)

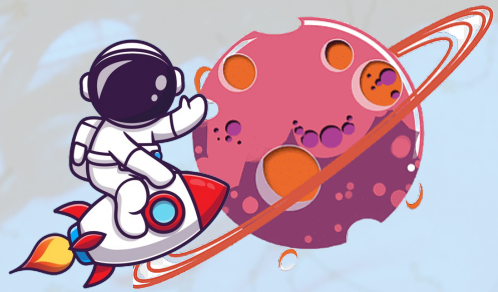
We adapt the contents to make the visit a personal and unforgettable experience for the students according to their needs and abilities.

Partnerships

We collaborate with associations to bring our educational experiences to groups with specific interests or needs. We adapt our activities to enhance learning, active participation and enjoyment of the participants, guaranteeing an inclusive and enriching experience.

Gifted and Talented

We pay special attention to students with high abilities and to groups that work on the development of their abilities. The films have motivating and entertaining contents, which are adapted to their characteristics and educational needs.



Learning tools

For more information

Space Place

Space Place is a NASA website with resources for students, such as games, crafts and experiments.

ESA Kids offers numerous activities about the solar system, the universe and space technology, starring Paxi, its educational mascot.

The Universe Awareness Education Project (UNAWE) contains a resource page of downloadable books and activities.

UNAWE's Universe in a Box teaches astronomy with inexpensive materials and guides for easy creation.

AstroEDU is a platform with peer reviewed activities from astronomy.

Space Awareness is an educational project on astronomy and space science, with activities and resources for students aged 8 to 18.

ESERO, an ESA project, supports science and technology education in primary and secondary schools, fostering scientific vocations.

Educational material from the European South Observatory (ESO) with activities. The Astronomy Exercise Program series includes activities for Secondary based on ESA/ESO ISS observations and ESO telescopes.

Location

How to get there

WE ARE LOCATED AT [London, Battersea Power Station](), North entrance

Pricing information

SCHOOL GROUP BOOKINGS

£9.5 incl.VAT per student

Minimum 20 students

1 free teacher per 10 students

Additional adults

£6 each

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