

Didactics 2022 2023



museo
galileo

+
Istituto
e Museo
di Storia
della Scienza

Intelligence is the ability to adapt to change.

Stephen Hawking

The succession of extraordinary events in recent years has raised awareness in museum institutions in a way that they are also welcoming change.

The Didactic Section of Museo Galileo has felt the need to adopt different approaches and methods to improve the dissemination of scientific culture, and in practice this has led to the creation of new thematic pathways.

Within the framework of the European project Virtual Pathways: Reinforcing School-Museum Cooperation in Covid-19 Times, two activities were designed to integrate science teaching in an informal environment, with the aim of providing teachers with tools, content and digital resources that can increasingly stimulate their students.

We look forward to seeing you soon at Museo Galileo!

OPENING HOURS

9:30 – 18:00 Every day including Sundays except Tuesdays 9:30 – 13:00

INFORMATION AND RESERVATIONS

Monday through Friday 9:00 – 14:00

Telephone: +39 055 265 3174

Email: groups@museogalileo.it

BOOKING VISITS

All visits and simple group entrances of groups larger than 15 people require advanced reservations. We can take up to 30 participants in each group. To guarantee safety conditions within our museum, larger groups will be divided into smaller subgroups.

FEEES

1 € each reservation fee + 3 € each for the activity fee + the museum entrance fees. Scholastic group discount for those under 15 years of age is 5 € per student, 6 € for each ages 15 and over and for groups greater than 15 people. Two educators with each scholastic group enter for free.

UNIVERSITY STUDENT GROUPS less than 15 people:

10 € museum entrance fee + 1 € each reservation fee + 3 € for the activity fee = 14 € per person.

PRIVATE VISITS Small, private groups can also book any of the didactic visits. (Please note that some are only offered during the scholastic year).

Advanced reservations are required and times are subject to availability.

COST OF PRIVATE VISIT: All applicable museum entrance fees plus a single, flat rate of 65 € for the activity.

DISCOUNT FAMILY TICKET: Two adults and two children ages 6 through 18 enter for 24 €. Children under 6 are free.



General Guided Visit

This 60-minute guided visit through the two main floors of the museum will highlight the most important instruments of the collections while discussing their historical-scientific significance and how they were used by demonstrating a few replicas along the way.

Days and times are available upon request.

Duration: 60 minutes



Experiential Visit

This popular visit is meant to stimulate one's interest in the history of science. The Museum's guide accompanies the group through the permanent collection explaining the historical context and functions of the instruments. Several demonstrations are performed along the way.

Days and times are available upon request.

Duration: 90 minutes

This visit is perfect for people of any age or background.



Life and Works of Galileo

Our Galileo expert will accompany the group through the Medicean collection on the 1st floor where they can admire the original instruments of Galileo Galilei including his two surviving telescopes.

This thematic visit highlights the times, life, works and discoveries of Galileo which influenced the religious, philosophical and scientific worlds.

Mondays, Wednesdays and Fridays at 10:00, 11:00, 13:30 and 14:30

Duration: 60 minutes



Meet Galileo

The group will have the opportunity to be accompanied on a visit through the Museum's first floor by an unusual and exceptional guide, Galileo Galilei, who will recount his life and most important discoveries.

The operator dressed up in costume will guide you through the main rooms dedicated to the great scientist, where his original instruments are preserved, namely his last two surviving telescopes from 1609-10 telescopes.

Days and times are available upon request

Duration: 60 minutes



Galileo and Mechanics

Galileo, dressed in his professor robes, leads this workshop which concentrates on his observational techniques and scientific methods related to studying bodies in motion using the incline plane and pendulum.

The workshop concludes with a brief guided visit of the Museum's first floor where he will show you some of his original instruments.

Mondays, Tuesdays and Wednesdays: Times available upon request

Duration: 60 minutes

Recommended for middle school and high school groups.



Leonardo: Art and Science

A fascinating journey that illustrates, through the sketches of this great artist/scientist, the link between his knowledge of vision and techniques of prophetic representation.

Simple and entertaining experiences will be utilized to explain the relationship between artistic representation and visual perception, as well as traditional laws of perspective and current "3D" images.

This workshop is available starting December 1, 2022 on:
Mondays, Wednesdays, and Fridays: 9:30, 11:30 and 14:30

Duration: 30 minutes in the didactic area and 30 minutes on the Museum's first floor

Best suited for art students



Learning English through Science

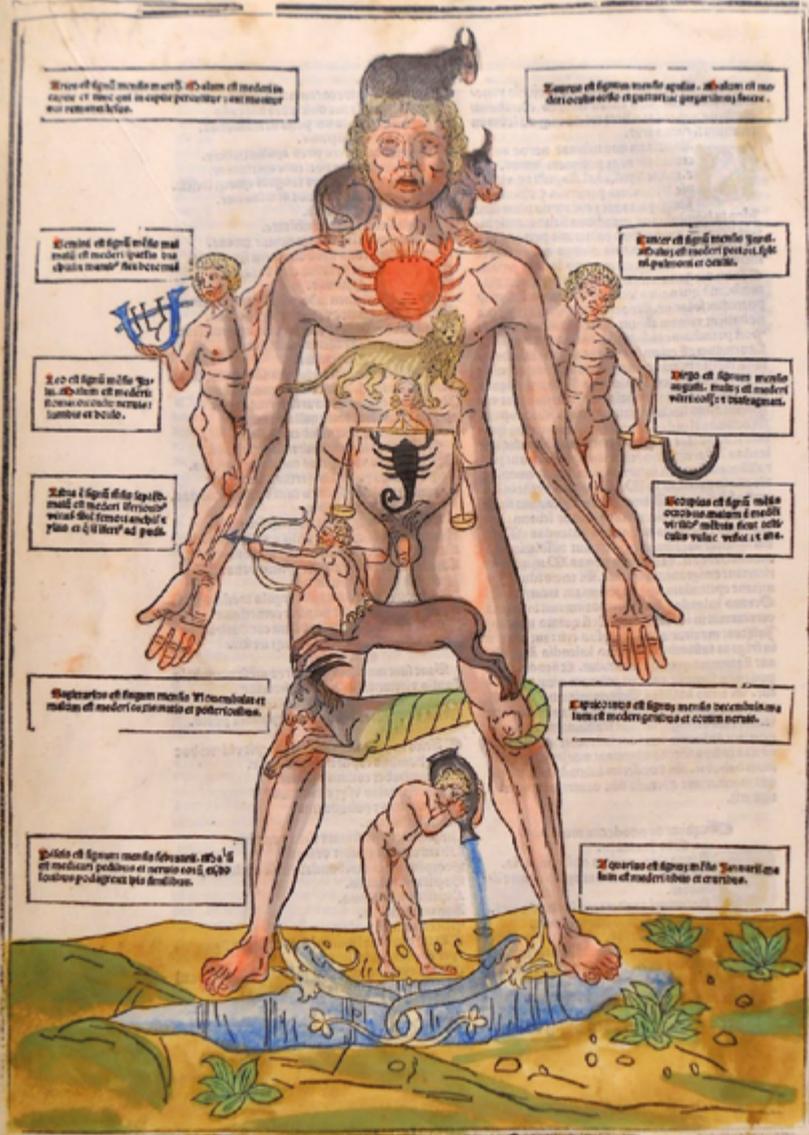
This thematic visit of the Museum's first floor is designed to unite the worlds of the English language and science in an entertaining way.

The mother-English tongue, bilingual guide uses word games and replicas of the instruments to enrich the group's vocabulary and to teach the slight nuances of Italian and English using comparatives, analogies and word roots.

Mondays, Wednesdays and Fridays: Times available upon request

Duration: 60 minutes

This visit can be adapted for all ages and competency levels of the English language



History of Medicine

This visit looks at the permanent collections through the eyes of medicine starting with the Greek physicians up to 18th Century Florence.

The visit highlights the development of obstetric medicine through the use of anatomical wax models and pharmacy through chemistry benches and portable medicine boxes.

Mondays, Wednesdays and Fridays: 9.30, 11.00 and 13.00

Duration: 90 minutes

Recommended for those with an interest in medicine and the scientific method.

VIRTUAL PATHWAYS

European Project

VIRTUAL PATHWAYS: REINFORCING SCHOOL-MUSEUM COOPERATION IN COVID-19 TIMES

Museo Galileo is partnered, together with the University of Helsinki, the Arctic Center of Lapland University in Finland, the Ellinogermaniki Agogi (EA) in Athens, the Natural History Museum of Crete and the Nobel Prize Museum in Stockholm, in the European Erasmus+ project titled VIRTUAL PATHWAYS: Reinforcing School-Museum Cooperation in Covid-19 Times.

The project aims to offer school communities unique opportunities for learning science by establishing new forms of cooperation between schools, science museums and science centres, in order to contribute to the access and sharing of digital tools, services and educational resources.

VIRTUAL PATHWAYS will integrate student-centered methodologies such as exploration and inquiry-based learning, while increasing interest in STEM subjects. The project will also provide teachers the opportunity to develop their professional skills by mastering the use and adaptation of design thinking and teaching techniques that introduce interdisciplinary learning.



At the operational level, the project is structured in three phases:

- classroom preparation, with material provided to teachers, differentiated according to the school level;
- a museum tour structured and adapted to the various levels of the groups that will book the visit titled: Galileo's New World.
- in-depth study after the visit with different material, hints, quizzes and tasks for group work.

The groups that carry out the workshops by the end of February 2023, the month in which the project ends, will only pay the entrance fee and enjoy the activity free of charge.



Galileo's New World

Suitable for the last years of primary school and for secondary school

What perception did men of the past have when looking at the sky? And what instruments did they use to observe and measure it? This workshop answers these and many other questions thanks to the explanation and use of didactic replicas of pre-telescopic instruments, such as the nocturnal and astrolabe. Using an optical bench, it will be possible to understand the operation of the Galilean telescope and its subsequent evolutions. The students will be involved in the discovery of the new Galilean world, a completely revolutionized celestial world, made up of new planets and stars, paving the way for modern astronomy.

Duration: 90 minutes. Day and time available upon request

Costs for VAST PROJECT: *This European Project workshop activity fee is waved up through February 2023, school groups will only pay the cost of the museum entrance ticket and booking fee (€1/ticket). Starting March 1, 2023 there will be a fee of € 3 for this activity plus the museum entrance fee and booking fee (€1/ticket).*





To prepare for your visit go to our website www.museogalileo.it

where you can do a virtual tour of the museum and view animations on the functions of the instruments.

Mini-guides are available in 9 different languages in PDF format.

You can also take advantage of the QR codes found in the rooms with your own SmartPhone or tablet to read the digital panels in French, German, Japanese, Mandarin, Portuguese, Russian or Spanish.

Museo Galileo app

Our Multimedia Laboratory has designed an application which you can download for free and then use to explore our entire collection with your SmartPhone or tablet with your own ear buds with our Free Wi-Fi:

<https://www.museogalileo.it/en/museum/visit/app-and-printable-miniguides.html>

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BOOKING OFFICE and RESERVATIONS

Monday through Friday
9:00 – 14:00

Telephone: +39 055 265 3174

groups@museogalileo.it



Cover page:
Donato Creti, *Osservazioni astronomiche:
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