

## RESERVATION SCHEDULE

To photocopy and submit via fax to (+39)055 2679106.

To send via e-mail, you may download the schedule at: <http://www.imss.fi.it/museo/modul1.html>

Name of Institution..... Type..... Class.....  
Address.....  
City..... Prov.....  
Telephone..... CAP.....  
Contact..... E-mail.....  
No. participants..... Fax.....  
No. Educators/Chaperones.....

### Workshop Requested

Non Guided Gorup Visit

Didactic Visit

Specific Experience Visit

Workshop 1

Workshop 2

Workshop 3

Workshop 4

Workshop 5

Workshop 6

### Date/Time Preferred

Day/Month.....

Time.....

### Date/Time Alternate

Day/Month.....

Time.....

Signature of Organizer.....



### 3. GALILEO AND THE COPERNICAN SYSTEM

In 1609 Galileo Galilei perfected a Dutch optical game that enlarged images two to three times. The result – the telescope – allowed him to make sensational astronomical discoveries demolishing the ancient geocentric concept. In the workshop an animator dressed as Galileo reveals of such discoveries and validates the Copernican theory.

**Humanities and Science Students** (available in Italian or English)

### 4. GALILEO AND MECHANICS

All his life Galileo attempted to dismantle the communal concept of the natural motion of bodies as conceived by the 4th century B.C.E Greek philosopher Aristotle. In the workshop an animator dressed as Galileo outlines the cognitive processes that form the analysis of free falling bodies. This allowed the great scientist to propose the basis for a new physics valid for both terrestrial and celestial bodies.

**Humanities and Science Students** (available in Italian or English)

### 5. PLAYING WITH LIGHT: OPTICS FROM PTOLEMY TO NEWTON

This laboratory highlights the principal theories of light rays and luminosity from Ptolemy to Newton, as well as the principal types of lens and curved mirrors used in optics. Exhibiting also the methods and extraordinary effects of combining lens and mirrors in instruments (telescopes and microscopes) which allowed 17th century scientists to discover both the infinitely small and infinitely large.

**Humanities and Science Students** (available in Italian or English)

### 6. THE ACCADEMIA DEL CIMENTO: 1600'S TUSCAN EXPERIMENTAL SCIENCE

This workshop outlines the role the Accademia del Cimento played in building upon the scientific heritage of Galileo Galilei and Evangelista Torricelli. From the various areas of the research of the Accademia, the workshop focuses on: meteorology with instruments to measure pressure, humidity and temperature (barometers, thermometers and hygrometers) and astronomical observations that required the construction of more powerful telescopes.

**Humanities and Science Students** (available in Italian or English)

## Special projects

### • FESTIVAL OF CREATIVITY

The museum will participate in the Festival of Creativity from 25 October to 28 October 2007, at the Fortezza da Basso a Firenze. Information may be found at:

[www.festivaldellacreativita.it](http://www.festivaldellacreativita.it)



### • POLICULTURA

Participate in the project and competition Poli-Cultura, an initiative about culture and technology by Politecnico di Milano. Information may be found at: [www.policultura.it](http://www.policultura.it).

## In Addition...

### With l'ATAF to the Museum: the super ticket extends the trip

Free at the ticket office for Museum visitors, the super-ticket extends the valid hours of use to 4 hours (total: 5 hours and 10 minutes).



<http://www.imss.fi.it>

The website of the Museo di Storia della Scienza offers:

- a complete virtual visit of the museum
- in-depth information regarding a wide variety of instruments
- up-to-date information on activities and initiatives

### Bookshop

In addition to catalogues (books and DVD) about the Museo di Storia della Scienza, reproductions of instruments for educational purposes are also available.

### Internships

It is possible to organize an internship with the Museum for students in second level secondary school.

### Edumuseicard

The Educators who possess this card have unlimited free Museum entrance.



  
Istituto  
e Museo di Storia  
della Scienza

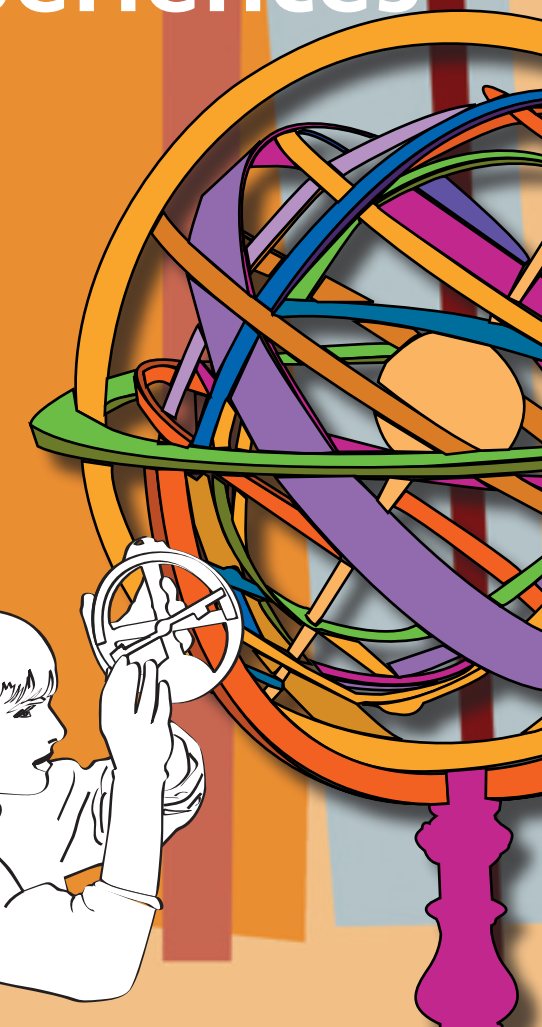
**INFORMATION  
& RESERVATIONS**  
(+39)055 210866

# Workshops



# Experiences

2007/08



## Information Reservation

Reservation Centre Musei Scientifici Fiorentini: Tel. (+39)055 210866

Monday, Tuesday and Friday from 9.00 a.m. to 1.00 p.m.;  
Tuesday and Thursday from 1.00 p.m. to 5.00 p.m.; fax (+39)055 2679106;

e-mail: info@museiscientificifiorentini.it.

1 September 2007 – 31 May 2008

For inquires please contact: Karen Tomashavsky (IMSS Education Department, English Programming) tel +39 055 2653163, e-mail: tomashavsky@imss.fi.it

## The Museum Offers

The collection of scientific instruments formed by the Medici family at the end of the 16<sup>th</sup> century is now preserved almost in its entirety at the *Museo di Storia della Scienza*. Upon careful examination of these instruments, we can learn the development of cartography, the diffusion of drawing methods, the perfection of measuring time and space and astronomical discoveries. The collection was enriched by works of the Lorraine family; testimonies of inventions in mechanics and the progressive expansion of knowledge in the fields of chemistry and electromagnetism.

### IMPORTANT

The Museum will be partially closed for renovations starting in January 2008. A significant selection of the collection will continue to be on display. The entrance fee will be reduced.

## Museum Visits - Group Visits

For scholastic and group visits, it is **obligatory** to book in advance and the booking is only valid after receiving confirmation from the booking office. This information must be presented at the museum ticket office on the day of the visit. Groups greater than 25 participants will be divided into two or more distinct groups.

### Ticket price per person

- € 3,00 school groups (7-15 years)
- € 4,00 groups (min. 15 participants)
- free entrance for educators/chaperones (max. 2 per group)

## Didactic Visits

This service is organized in collaboration with Musei Scientifici Fiorentini.

The cost of a visit with an educational guide is € 38.00 in Italian, € 58.00 in other languages and **does not include** entrance tickets to the Museum. The payment for the guide must be made to the Postal account no. 31542509 and made out to Musei Scientifici Fiorentini. Payment is to be made prior to the visit, specifying on the payment form the name of the school and the date of visit. A copy of the payment receipt must be faxed to 055 2654696 at least 10 days prior to the visit.

The guided visit requires approximately 1 hour and 30 minutes.

## Specific Experience Visits

This partially guided visit includes demonstrations of functioning antique instruments while being introduced to the rich history of the collections and the evolution of science.

The guided visit requires approximately 1 hour, includes museum entrance fee and is available in Italian or English.

### Ticket price per person (includes Museum entrance ticket):

- € 4,00 school groups (7-15 years)
- € 5,00 groups (min. 15 participants)
- free entrance for educators/chaperones (max. 2 per group)

### Hours available:

- 10.00 a.m.-11.00 a.m. / 11.30 a.m.-12.30 a.m. / 2.00 p.m.-3.00 p.m. / 3.30 p.m.-4.30 p.m.

## Accompanied Visits for the Visually Impaired

A docent presents to the visually impaired visitor a variety of objects on display in the museum. It is possible to touch some of the original instruments and handle replicas to gain a full understanding of their context in the historic evolution of science. This experience and museum entrance are free of charge.

## Activities - Educational Activities

### IMPORTANT

Due to the renovations of the Museum, the Educational Activities will be available only until the end of February 2008.

All workshops are available in Italian and English; workshops 1 and 2 also available in French.

• The workshops require about 1 hour and are followed by a 30 minute accompanied visit to the museum.

### Ticket price per person (includes Museum entrance ticket):

- € 3,00 school groups (7-15 years)
- € 5,00 groups (min. 15 participants)
- free entrance for educators/chaperones (max. 2 per group)

A minimum of 10 participants is required or smaller groups pay the same cost.

### Hours available:

- 9.30 a.m.-11.00 a.m. / 11.00 a.m.-12.30 a.m. / 2.30 p.m.-4.00 p.m.

### 1. THE EYE OF LEONARDO: THE SCIENCE OF ART

In keeping with themes explored in the exhibit: Leonardo's Mind (Uffizi Gallery: March 2006 – January 2007) the workshop offers an engaging journey into the techniques and knowledge which, according to Leonardo, made painting the most noble among the sciences. Using interactive models, one can replicate some of Leonardo's optical experiments, in order to discover the workshop's secrets which were behind the special skills of many artists during the Renaissance.

Humanities, Fine Art and Science Students (available in Italian, English or French)

### 2. THE IMAGE OF THE WORLD: CARTOGRAPHY BETWEEN ART AND SCIENCE

The world has two aspects: that which we see around us – a mere appearance – and that which we can only see from above, flying high. This second aspect, showing the true dimensions of the world, is the one represented by ancient mapmakers who were able to fly with their imaginations under the guide of special measuring instruments. The workshop offers the possibility to try such instruments to create maps.

Humanities, Fine Art and Science Students (available in Italian, English or French)

## Museum Opening Hours

### SUMMER (1 June - 30 September)

Monday, Wednesday, Thursday  
and Friday: 9.30 a.m. – 5.00 p.m.;

Tuesday and Saturday 9.30 a.m. – 1.00 p.m.

Evening Openings last Thursday of June and August,  
first Thursday of July and September:

9.00 a.m. – 11.30 p.m.

Closed on Sundays and the following holidays: June  
2 and 24, August 15

### WINTER (1 October - 31 May)

Monday, Wednesday, Thursday,

Friday and Saturday: 9.30 a.m. – 5.00 p.m.;

Tuesday: 9.30 a.m. – 1.00 p.m.

Sundays Openings on the second Sunday of each  
month: 10.00 a.m. – 1.00 p.m.

Closed all other Sundays and on the following  
holidays: November 1, December 8, 25 and 26,  
January 1 and 6, Easter Sunday, Easter Monday,  
April 25, May 1



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e Museo di Storia  
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Part of the National Project

