

MUSEI

Partendo dall'antico Museion di Alessandria

<http://en.wikipedia.org/wiki/Musaeum>

FRANCK OPPENHAIMER, fondatore dell'Exploratorium:

"..the exploratorium provides a kind of participative sightseeing, the best kind of sightseeing involves some exploration and the freedom to decide what not to investigate and where to linger....the more one can become involved with the sights through touching, smelling, feeling, and activity, the more rewarding it can be...."

"...the attributes of the exhibits -their beauty, their multiple linkages with different themes, the inclusion of extraneous possibilities for intervention and discovery - have provided to be important to the overall effectiveness of the museum..."

Exploratorium, San Francisco:

<http://www.exploratorium.edu/>

<http://www.exploratorium.edu/geometryplayground/mathtrails.php>

<http://www.exploratorium.edu/snacks/iconmath.html>

Science Museum – Mathematics - London

<https://beta.sciencemuseum.org.uk/mathematics/>

National Museum of Mathematics - MoMat New York

<http://momath.org/>

Cité des sciences et de l'industrie, Parigi

<http://www.cite-sciences.fr/fr/accueil/>

<http://www.cite-sciences.fr/apps/mathematiques/>

Palais de la Decouverte, Parigi

<http://www.palais-decouverte.fr/fr/accueil/>

<http://www.palais-decouverte.fr/fr/au-programme/expositions-permanentes/toutes-les-salles/salles-de-mathematiques/exposes-et-ateliers/>

Deutsche Museum, Monaco

<http://www.deutsches-museum.de/index.php?id=1&L=1>

Museo delle scienze, Milano

<http://www.museoscienza.org/>

http://www.museoscienza.org/dipartimenti/catalogo_collezioni/lista.asp?arg=Matematica&c=3

<http://www.museoscienza.org/eureka/matematica-grandi-numeri.asp>

Citta della scienza, Napoli

<http://www.cittadellascienza.it/>

Museo della Scienza. MUSE, Trento

<http://www.muse.it/>

[Video di presentazione della mostra MadeInMath, primavera 2016 MUSE Trento](#)

Il museo Galileo , Firenze

<http://www.museogalileo.it/>

<http://catalogo.museogalileo.it/>

Il giardino di Archimede, Firenze

<http://php.math.unifi.it/archimede/archimede/index.html>

Oltre il compasso, Firenze

<http://php.math.unifi.it/archimede/archimede/curve/geocurve.php>

EXHIBIT DESIGN, Auburn – YouTube, Un nuovo museo ad Auburn US

<https://www.youtube.com/watch?v=wEE1LYTUBk>

Imaginary, open mathematics, Web DE

<http://imaginary.org/home>

RIVISTE

- Gli scienziati scrivono articoli e libri “per specialisti”; problemi interni a questo settore sono: il monopolio (Springer), valutazione e ranking (referee, h-index,...),...
- Sempre di più gli scienziati imparano a scrivere anche per divulgare la scienza. Ora c'è anche la figura del comunicatore scientifico (vantaggi e svantaggi...).
- Distinguere fra la scrittura per la ricerca scientifica e quella per la divulgazione.
- Uso della lingua latina (dopo il greco, l'arabo), fino a Luca Pacioli, Leon Battista Alberti, Galileo Galilei, Albrecht Dürer
- La grossa novità della “rete”
- Non tutti gli scienziati riescono ad adattarsi a nuovi modelli di comunicazione.

Riviste per specialisti:

Math Sci Net

<http://www.ams.org/mathscinet/>

ArXiv.Org

<http://arxiv.org/>

Riviste di divulgazione e loro blogs.

Le Scienze (Odifreddi)

<http://www.lescienze.it/>

Scientific American (Gardner)

<http://www.scientificamerican.com/>

<http://blogs.scientificamerican.com/roots-of-unity/2013/09/23/step-right-up-its-the-carnival-of-mathematics/>

The Mathematical Intelligencer

<http://link.springer.com/journal/283>

American Mathematical Society (e suo link a Math on Media)

<http://www.ams.org/home/page>

X la tangente (Dip Mat Trento)

<http://www.xlatangente.it/>

Lettera Pristem

<http://matematica.unibocconi.it/pubblicazioni/le-riviste/lettera-matematica-pristem>

Riviste di didattica della Matematica

<http://www.matematica.it/tomasi/ssis/rivmatem.htm>

Giornalismo “popolare”.

The new Yorker, Woddy Allen e Silvia Nasar

<http://www.science.unitn.it/%7Eandreatt/The%20New%20Yorker-Perelman.pdf>

<http://www.science.unitn.it/~andreatt/WOODYALLEN.pdf>

La Repubblica, Piergiorgi Odifreddi

<http://odifreddi.blogautore.repubblica.it/>

The Guardian

<https://www.theguardian.com/science>

<https://www.theguardian.com/science/marcus-du-sautoy>

The New York Times

<https://www.nytimes.com/section/science>

<https://www.nytimes.com/topic/subject/mathematics>

LIBRI

Recentemente si assiste a una maggior produzione di testi Matematici per un vasto pubblico. Eccone una lista, a partire dai più tecnici.

Richard Courant, Herbert Robbins, Che cosa è la matematica, (nuova versione in inglese con Ian Stewart)

J. Stillwell, Mathematics and its History, Springer.

Analysis by Its History (Undergraduate Texts in Mathematics / Readings in Mathematics) by Ernst Hairer and Gerhard Wanner

Geometry by Its History (Undergraduate Texts in Mathematics / Readings in Mathematics) by Alexander Ostermann and Gerhard Wanner

The Music of the Primes: Searching to Solve the Greatest Mystery in Mathematics by Marcus du Sautoy

Symmetry: A Journey into the Patterns of Nature by Marcus du Sautoy

Mathematics and Culture, by Michele Emmer

MateMilano: percorsi matematici in città (Italian Edition) by Marina Bertolini, Marina Cazzola, Maria Dedò and Simonetta Di Sieno

Matetrentino: percorsi matematici a Trento e dintorni (Italian Edition) by Domenico Luminati and Italo Tamanini

The Math Book: From Pythagoras to the 57th Dimension, 250 Milestones in the History of Mathematics di Clifford A. Pickover

Zio Petros e la congettura di Goldbach (Tascabili. Best Seller) (Italian Edition) by Apostolos Doxiadis

La moglie del cartografo di *Robert Whitaker*

Le cosmicomiche, Il Castello dei destini incrociati, *Italo Calvino*

A Beautiful Mind, *S. Nasar*

Pasta by Design, G. Legendre, S. Grazini

The New Mathematics of Architecture, Jane and Mark Burry

[La matematica: un ponte tra le due culture, Marcus du Sautoy](#)

Narrative and Proof, by *M. du Sautoy, Penrose & others.*

<http://new.livestream.com/oxuni/narrativeandproof/videos/74573554>

INTERVISTE

NOVA | Andrew Wiles on Solving Fermat

<http://www.pbs.org/wgbh/nova/physics/andrew-wiles-fermat.html>

Intervista a Enrico Giusti | Per, Matematica, Non, Nel | Matematicamente.it

<https://www.matematicamente.it/cultura/interviste-a-matematici/intervista-a-enrico-giusti/>

Non Technical writings, David Mumford

<http://www.dam.brown.edu/people/mumford/>

LA MATEMATICA IN PIAZZA

Mark du Sautoy (DvD Università di Trento)

<http://www.youtube.com/watch?v=PggEaUT8Qo0>

Opposite Attract: a dialogue between Art and Mathematics,, Seattle US

<http://vimeo.com/11842766>

Marco Paolini su La7, Itis Galileo

<https://www.youtube.com/watch?v=8alJ9eFl634>

Lorenzo Schmidt - finale regionale a Perugia 2012 -

<http://www.youtube.com/watch?v=VKMWF7dpDO8&feature=relmfu>

Miss USA 2011 — Should Math Be Taught In Schools?

<http://www.youtube.com/watch?v=9QBv2CFTSWU>

MATEMATICA e TEATRO

Varie compagnie propongono spettacoli a carattere matematico:

Proof is a 2000 play by American playwright David Auburn. Premiered Off-Broadway in May 2000, it transferred to Broadway theater in October 2000. The production closed in January 2003 after a total of 917 performances. The play won the 2001 Pulitzer Prize for Drama and Tony Award for Best Play

[http://en.wikipedia.org/wiki/Proof_\(play\)](http://en.wikipedia.org/wiki/Proof_(play))

Disappearing Number is a 2007 play co-written and devised by the Théâtre de Complicité company and directed and conceived by English playwright Simon McBurney. Inspired by the collaboration between two pure mathematicians of the earlier twentieth century, Srinivasa Ramanujan, a poor Brahmin from South India, and the Cambridge University prof. G.H. Hardy.

<http://plus.maths.org/content/disappearing-number>

ScienzInScena Teatro in Matematica- Milano

Il Matematico Impertinente: Odifreddi

<http://www.lenuvole.it/#scienza>

MATEMATICA e CINEMA

Storia di un Matematico Napoletano (Caccippoli)

Ipazia

Galois

Proof

A beautiful mind

Genio ribelle

The imitation game

<http://www.mymovies.it/film/2014/theimitationgame/trailer/>

L'uomo che vide l'infinito Ramanujan (2015)

<http://www.mymovies.it/film/2015/themanwhoknewinfinity/trailer/>

(il Turista, Angelina Jolie e John Deep,

<http://www.moviequotesandmore.com/the-tourist-quotes.html>)

Diritto di contare (Hidden figures)

<http://www.mymovies.it/film/2017/hiddenfigures/trailer/>

PBS-BBC movie on A. Wiles

LA MATEMATICA SUI POSTER

Math Posters in the London Underground

<http://www.newton.ac.uk/wmy2kposters/>

Digitando Math Comics on Google

<http://www.google.it/search?q=math+comics&hl=it&client=safari&rls=en&prmd=imvnsa&tbm=isch&tbo=u&source=univ&sa=X&ei=MCCqT-PZAYSj4gSh4KTLCO&ved=0CHcQsAQ&biw=1297&bih=972>

SITI GENERALI

Millennium Prize Problems, Clay foundation, la matematica di “moda”

<http://www.claymath.org/millennium-problems>

MacTutor History of Mathematics, Storia della Matematica

<http://www-history.mcs.st-and.ac.uk/>

Mathematics In Europe, siti per la divulgazione in Europa

<http://www.mathematics-in-europe.eu/>

American Mathematical Society

<http://www.ams.org/home/page>

Unione Matematica Italiana

<http://umi.dm.unibo.it/>

e per cercare sponsor:

Simons Foundation

<https://www.simonsfoundation.org/>

Zuckerberg Foundation

<https://breakthroughprize.org/>