

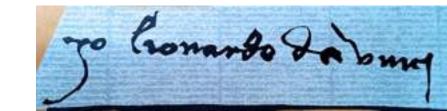
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Leonardo da Vinci - The Man, The History, The Lessons



Joe Andrade University of Utah and TheLeonardo April 19, 2014 The Leonardo



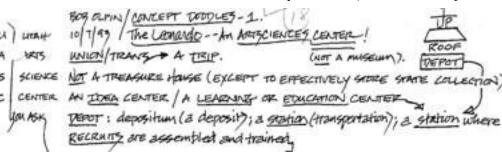


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Why THE Leonardo?



- 1986 a Science Center for Utah?
- 1992 Hansen Planetarium and Dr. Stephen Hawking
- 1993 Utah Legislature action Utah Science/Arts Center TheLeonardo name and concept suggested by Robert Olpin via inspiration of *Art and Physics*, Leonard Shlain, 1991.
- 1994 Utah Legislature and SL County \$\$ and planning/design study
- 1995 Gateway Center concept; Hawking second visit and lecture
- 1996 Leonardo on Wheels traveling science program
- 2001 SLC commits space in old City Library; Legislature re-empowers project.
- 2002 TheLeonardo at Library Square name adopted.
- 2003 SLC voters approve \$10M bond for TheLeonardo building remo
- 2008 The Leonardo hosts Body Worlds
- 2011 The Leonardo opens! (after 25 years of dreams, plans, persiste

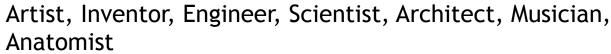






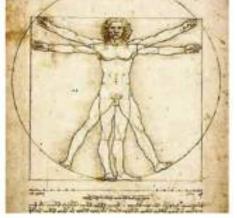
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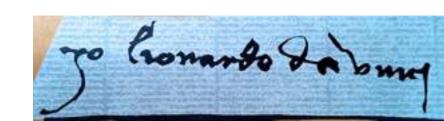
So Why Leonardo da Vinci?



Creativity, Genius, Inspiration - Icon
Lived and worked 500 years ago
Renaissance Man; lived by experience and questioning
Didn't finish projects, unfocused, ADD?
Left-handed; mirror writing. Why?
Self-educated; initially 'illiterate'; didn't trust books
No publications; few paintings; 7,000 sheets of drawings
Mona Lisa, Flying Machines - insatiably curious
Codes and Mysteries...

The Leonardo: curiosity, imagination, inspiration, action







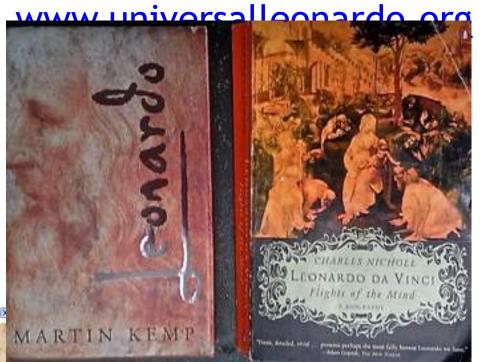
Martin Kemp

Leonardo

2004

Sources - hundreds of books and sites:

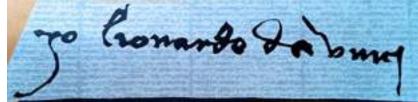
www.leonardo3.net



Charles Nicholl Leonardo da Vinci: Flights of the Mind 2004



and, in Oct. 2014 -Leonardo's Brain by Leonard Shlain





books, kits, posters, exhibitions



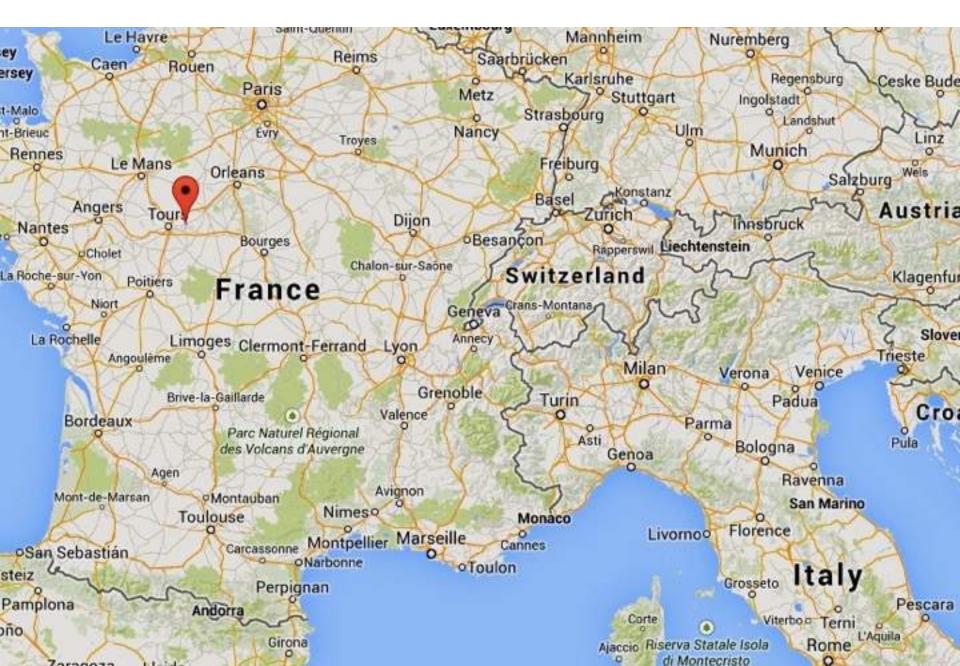


History - the last 11 Centuries

- Greeks, Chinese, ancient stuff
- 11th C -1000s Denmark, Norway, England, France; Hildegard
- 12th C -1100s Crusades, Marco Polo
- 13th C -1200s Magna Carta; Roger Bacon, Marco Polo
- 14th C-1300s Plague, England; fighting;
- 15th C-1400s da Vinci, Columbus, Copernicus (b. 1473)
- 16th C-1500s Renaissance, Science, Art, Geography, New World, da Vinci, Magellan, Galileo (b. 1564), Paracelsus
- 17th C-1600s Colonialism, 13 Colonies, Newton (b. 1642), F
- Bacon
- 18th C-1700s Colonialism, Resources, Slavery, Labor
- 19th C-1800s Coal, Steam Engine, Electricity,
 - Photography, Industrial Revolution, Civil War
- 20th C-1900s Manufacturing, Autos, Airplanes, Industry, WWI, WW2, Vietnam War, Ozone, Greenhouse Gases
- 21st C- to 2014 and beyond Anthropocene,

The Leonardo, Planetary Changes, Sustainability?

Leonardo's 'World'



Vinci, about 20 miles West of Florence; near Leonardo's



Caterina and Piero da Vinci No formal schooling Walk, run in fields, nature Sketch, draw Uncle, grandfather Farm, work, experiment, do...







Apprenticeship with Verrocchio from about 17 to 25 years of age Begins to 'solo' and become independent No record of drawings or paintings before his Florence years.

Begins keeping Notebooks at about age 30, when he moves to Milan



http://www.leonardo3.net/leonardo/paintings_eng.htm

1470-1475 Annunciation

38,5 x 85,4 in (98 x 217 cm) - oil and tempera on wood - Uffizi Gallery, Florence

The painting is the work of Leonardo and other artists in Verrocchio's studio. The quality and details vary, Some of the building cannot be attributed to Leonardo's brushwork, but it was certainly Leonardo who painted the details of the port and outlined the ships. Many people have commented on the Virgin's strange posture: her right arm is anatomically incorrect, it is longer and bent unnaturally inorder to reach the angel with the book. The landscape in the center of the picture shows evidence of several layers of paint being used to give an impression of depth; this technique is typical of Leonardo.







1490

1500

0% 1460 1470 1480

Leonardo's first solo painting - about 1474 - real wings, real trees, real flowers!



1474 - 1476 Portrait of Ginevra de' Benci

15,2 x 14,4 in (38,8 x 36,7cm) - tempera and oils on wood - front and back - National Gallery of Art, Washington

This portrait in tempera and oils was painted on a panel between 1474 and 1476. It is housed in the National Gallery in Washington. The bottom of the panel may have been cut off, resulting in the loss of the lower part of the sitter's body. It was painted for Ginevra's marriage to Luigi di Bernardo di Lapo Niccolini. The marble clarity of her face is in strong contrast to the dark juniper bush in the background. Leonardo used his fingers to shade the coloring of the face, so he left his fingerprints on the panel.

The back of the panel is also painted. The words on the banner are: "VIRTVTEM FORMA DECORAT"





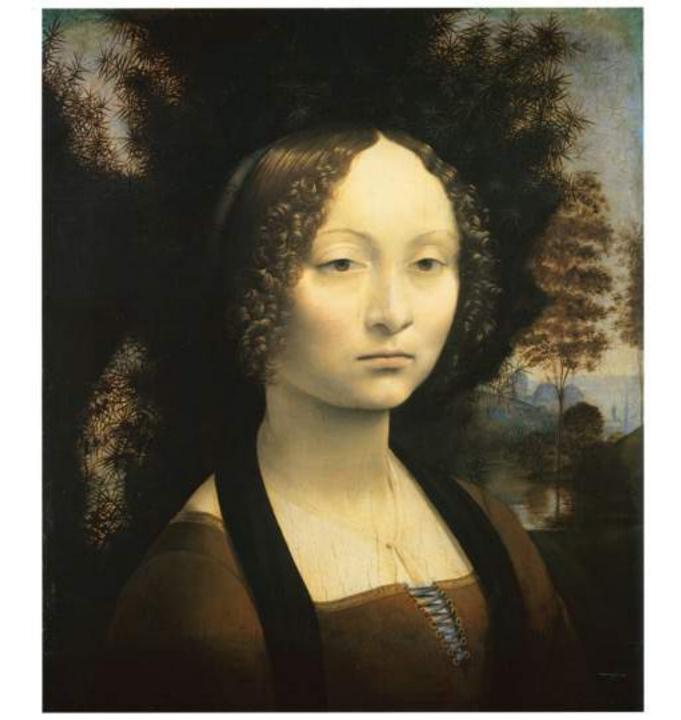


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http://www.leonardo3.net/leonardo/paintings_eng.htm

Leonardo's second solo painting - 20-25 years of age About 1475



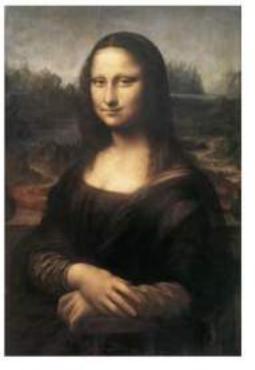
Mona Lisa - one of Leo's last paintings (but began in 1503) http://www.leonardo3.net/leonardo/paintings_eng.htm

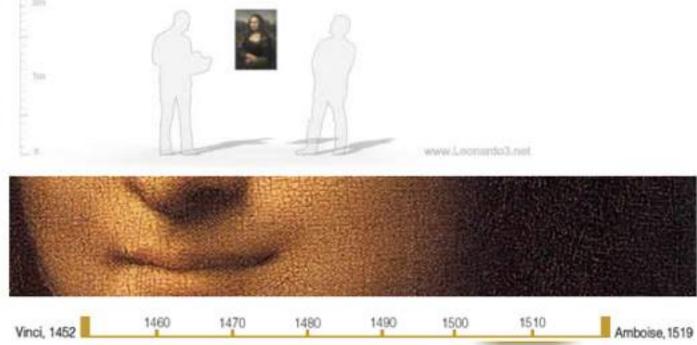
1503 - 1514 Mona Lisa - La Gioconda

30,3 x 20,9 in (77 x 53 cm) - oil on poplar wood - Musée du Louvre, Paris

The Mona Lisa shows a woman with a thoughtful expression and a slightly smiling mouth. The painting, in oils on poplar wood, measures 30,3 x 20,9 in (77 x 53 cm). It was executed between 1503 and 1506. It is the principal attraction of the Louvre in Paris. The woman is probably Mona Lisa Gherardini, a courtesan from a country family of minor nobility, who lived around the end of the 15th/beginning of the 16th century.

"La Gioconda" is another matter entirely. It is not the painting by Leonardo da Vinci, but something dreamt up by the Press. "La Gioconda" – "the playful woman" – is the symbol of the Louvre, so greatly venerated and sought after that no one really looks closely at the painting. Much has been said about the smile and the unlikely mysteries it is supposed to hide, but these are nothing to do with this superb portrait of a lady.









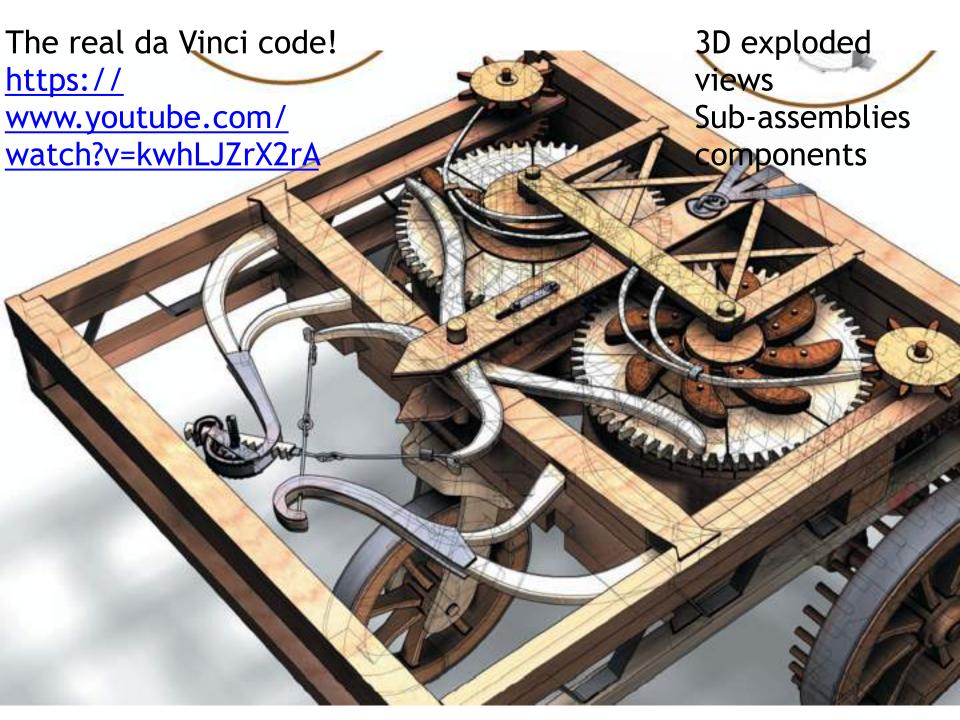
Leda and the Swan - an even later work, lost - original sketches and many copies by others; Leo's finished original probably lost in a fire.





Version by Melzi, Leo's student





Leonardo did fly! (mentally)

There shall be wings!

If the accomplishment be not for me, 'tis for some other.



Once you have tasted flight you will walk the Earth with your eyes toward the sky.

For there you have been and there you long to return.



Satellite or a Flight of the Imagination? Maps - and Models in Amboise



«Le sue strategie (e le marchine) per vincere in tuit







To see Mona Lisa: The Louve, Paris











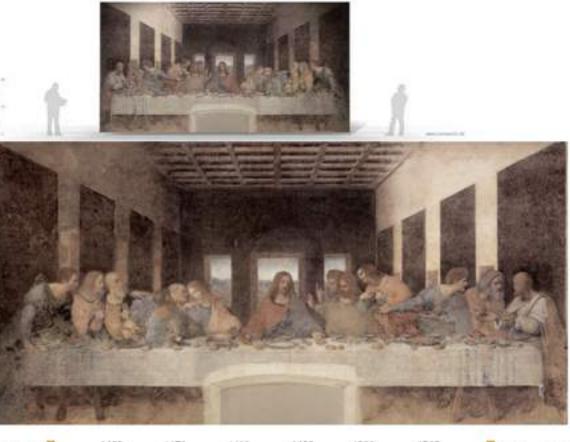


1494-1498 The Last Supper

181,1 x 346,4 in (460 x 880 cm) - mural painting with tempera and oils - Santa Maria delle Grazie, Milan

The Last Supper (also known as The Cenacle) is painted in tempera and oils on two preparatory chalk layers over plaster. The painting measures 181,1 x 346,4 in (460 x 880 cm) and was executed between 1494 and 1497. In his letter of 8 February 1498 dedicating his treatise "De divina proportione" to Ludovico the Moor, Luca Pacioli refers to it as already finished. The Cenacle is the greatest of Leonardo's paintings and the only one of his frescoes to have survived. It depicts the scene of the Eucharist at the moment when Christ says, "One of you shall betray me". Judas feels he is being accused. St. James the Great is stunned and throws his arms wide; beside him, St. Philip clutches his hands to his breast. St. Peter leans forward impulsively, while in front of him, Judas steps back, looking guilty. At the far right of the table, from left to right, St. Matthew, St. Thaddeus and St. Simon's agitated gestures express their bewilderment and incredulity. In the center, Christ is portrayed with his arms open on the table. The scene takes place in a virtual area that extends the walls of the supper room. The added virtual light coming from the left corresponds to the real light in the room, which in fact has windows in the left-hand wall.





1500

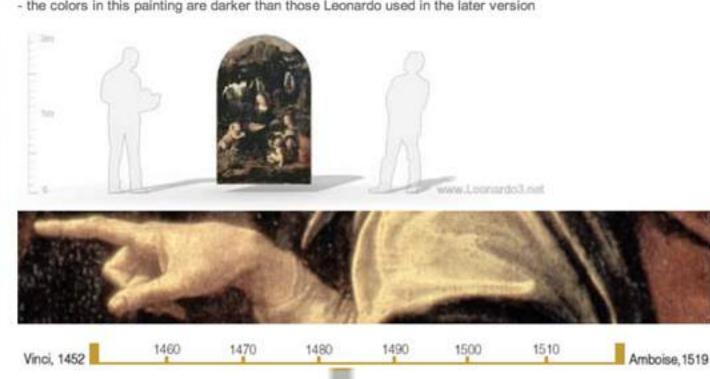
1483 -1486 The Virgin of the Rocks - Paris

74,6 x 47,2 in (189,5 x 120 cm) - oil on wood - Musée du Louvre, Paris

This painting, in oils on a wooden panel 74,6 x 47,2 in (189,5 x 120 cm), was executed between 1495 and 1508. It is conserved inside the Louvre in Paris. The de Predis brothers commissioned it from Leonardo on 25 April 1483. There are two versions of this picture; the other one is in London.

Differences between this painting and the one in the National Gallery, London:

- in this picture the angel (without wings but with a red cloak) is pointing at the Infant Saint John
- Saint John does not have a cross
- the angel is looking at the Child beside him, while in the other version he is gazing outside the picture
- the Virgin, Child and Saint John have no haloes; in the London painting the haloes are present.
- the colors in this painting are darker than those Leonardo used in the later version





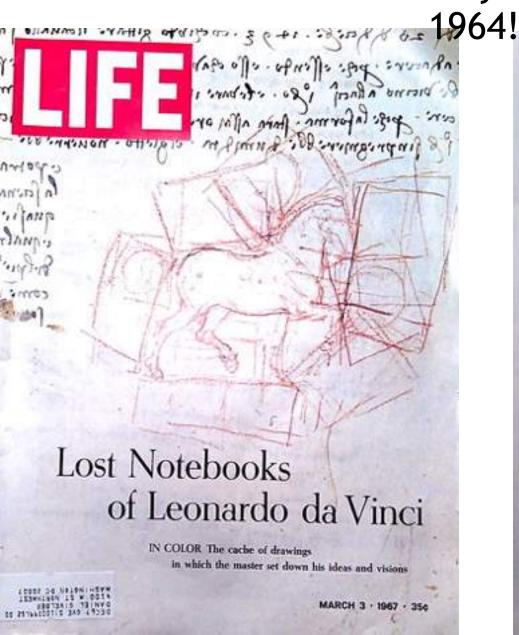
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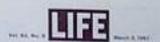


Last Supper Ultima Cena:

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http://www.leonardo3.net/
LastSupper-info/
studies_last_supper_leonardo_da_vin
ci.html
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Lost Leonardos? Yes! Madrid Codex - lost then found in a dusty library storeroom! - in





Band on, O Render if you find delight to see, because very adding shall I some bank into this world. . . . And come som to see the secrets which disough such studies one use would be Nicolan Expension 115 Vision.

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Leonardo's Lost Notebooks



The Newest Leonardo! la bella Principessa

National Geographic Feb. 2012 Lady with a Secret?

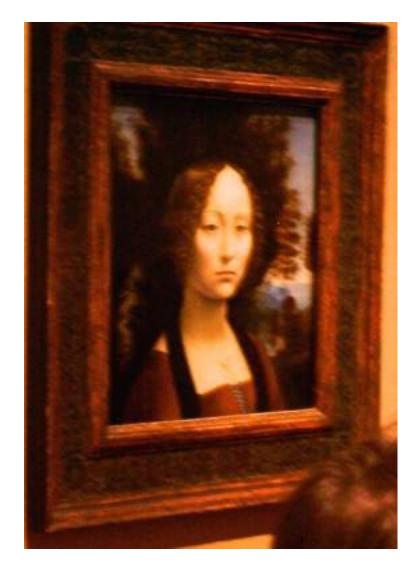
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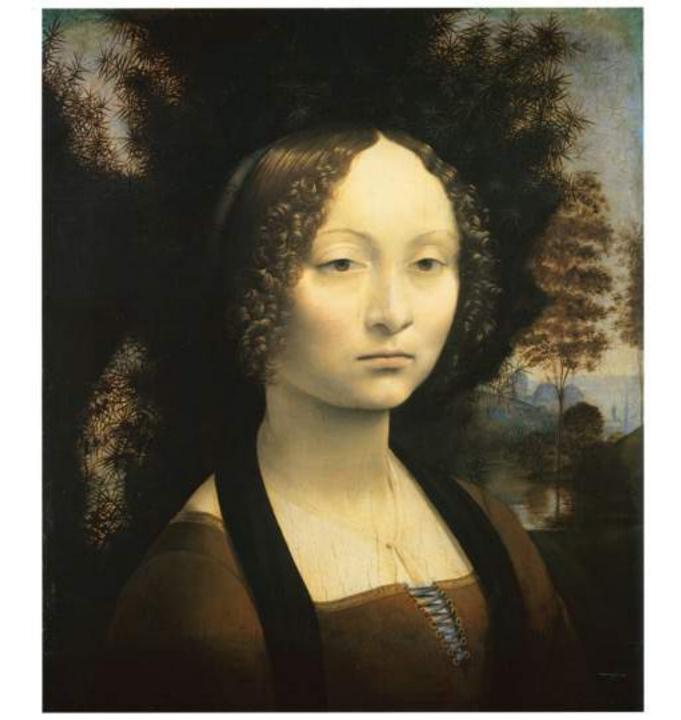
See a real Leonardo in the USA:

National Gallery Washington, DC





Leonardo's second solo painting - 20-25 years of age About 1475





Leonardo's Words:

From Dante: He who ... burns his life to waste leaves no more vestige of himself ... than wind-blown smoke, or foam upon the water.

From Paracelsus: He who wishes to explore Nature must tread her books with his feet.

Saper Vedere—knowing how to see.

I am not to be accused of idleness.

Ostinato rigore - persistant rigor.

Intellectual passion drives out sensuality.

I never tie of being useful.

Learning without a liking for it stills the mind and retains nothing that it takes in

All our knowledge has its origin in our perceptions.

The grandest of all books, I mean the Universe, stands open before our eyes.

Constancy. Not who begins but he who perseveres.

last writing: The soup is getting cold...

last words: ...so much undone...



Leonardo's Lessons:

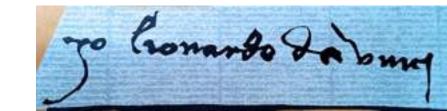
Question...always...constantly
Be Curious - about everything
Everything is connected
Ostinato rigore - don't be superficial, be persistent
Saper vedere - learn to see to understand

Experiment

Communicate



YOUR questions....



Reality

