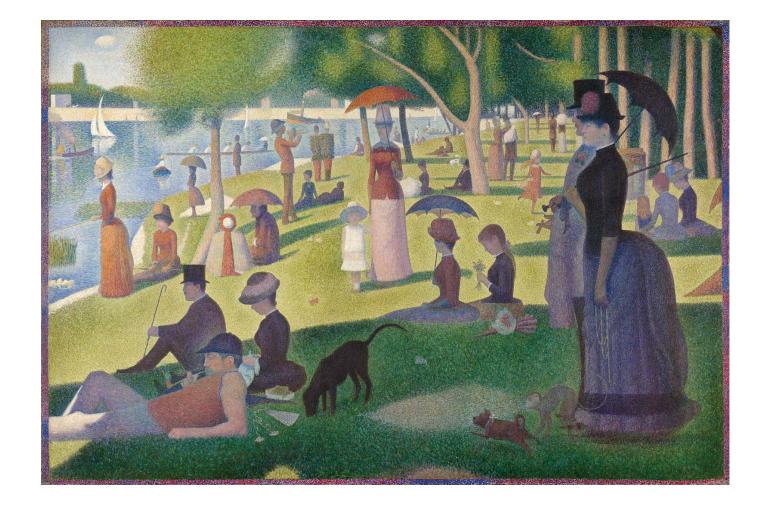


## Agenda

- Why art?
- How to use art
- Mars space station
- Brainstorming

## Why Art?

- Activate creativity
- Primary source
- Scientific and ambiguous
- Spruce up your PowerPoint!



# ARE YOU NOT ENTERTAINED!?!?



Anthropology

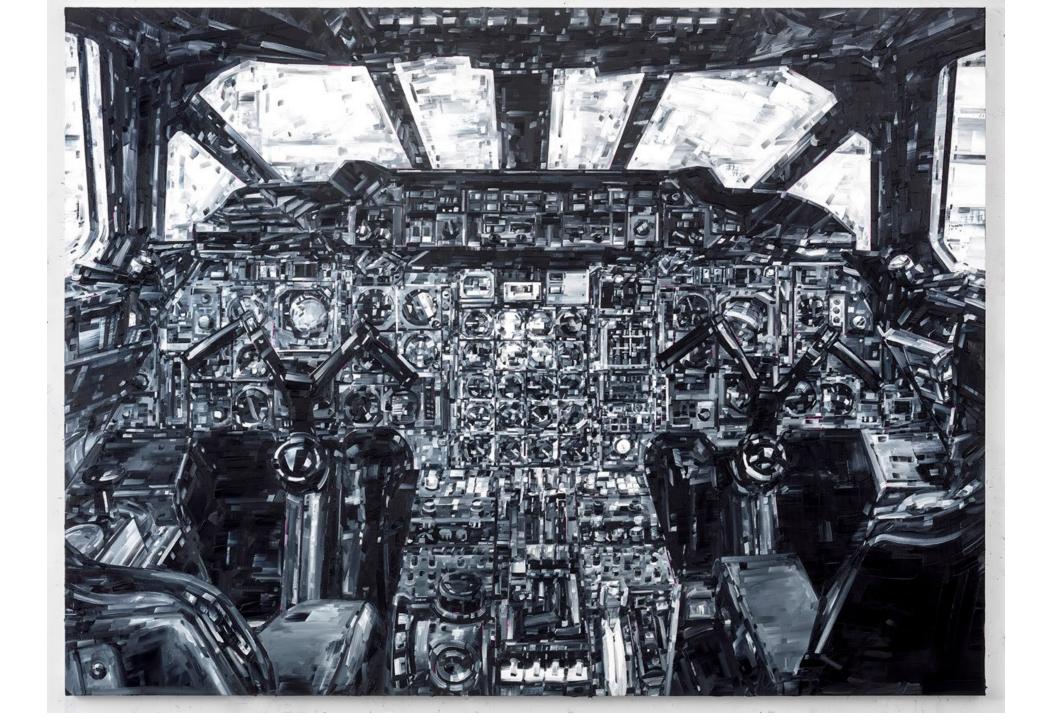


Cave painting from Lascuax, France. 19,000 years old

Astronomy



Michael Kagen 2017



Astronomy



A 3D model of Johannes Kepler's diagram of the inner planets, first published in his *Mysterium Cosmographicum* of 1596. At that time six planets were known, and the hypothesis that their orbits were spherical shells nested between the five Platonic solids seemed as reasonable as string theory does now. This model shows polyhedra corresponding to the inner planets: Mercury, Venus, Earth and Mars. Next outwards would be the tetrahedron followed by Jupiter, then a cube and Saturn, the outermost planet known. Biology

John Audubon The Birds of America, featuring the Extinct ivory-billed woodpecker



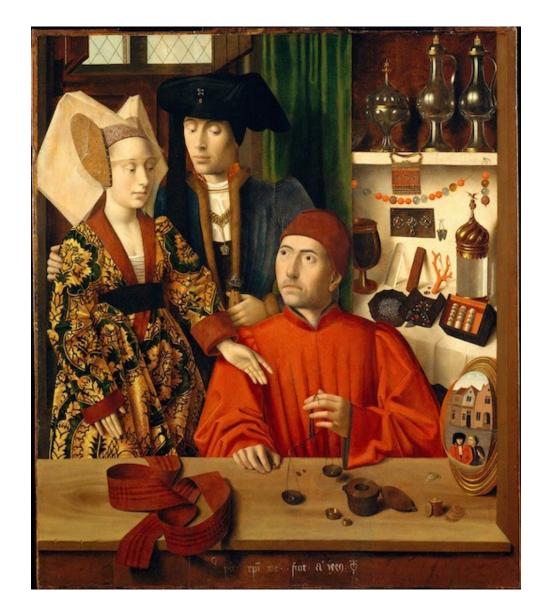
## Daniel in the Lions' Den by Peter Paul Rubens 1618



#### **Business**



## QUINTEN MASSYS, Money-Changer and His Wife, 1514. Oil on wood, 2' 3 3/4" x 2' 2 3/8". Louvre, Paris.



Petrus Christus, A Goldsmith in his Shop, 1449, oil on oak panel, 39 3/8 x 33 3/4 inches

Last year saw more than \$60 billion in art sales, a 67 percent increase from 2009. According to the 2014 Deloitte Art & Finance Report, 75 percent of art collectors and buyers are purchasing art for collecting purposes but with an investment view — a sizable jump from 53 percent just two years earlier.

Which are the 5 Top Performing Art Investment Funds in the World?

Anthea – Contemporary Art Investment Fund SICAV FIS

Artemundi Global Fund

Liquid Rarity Exchange

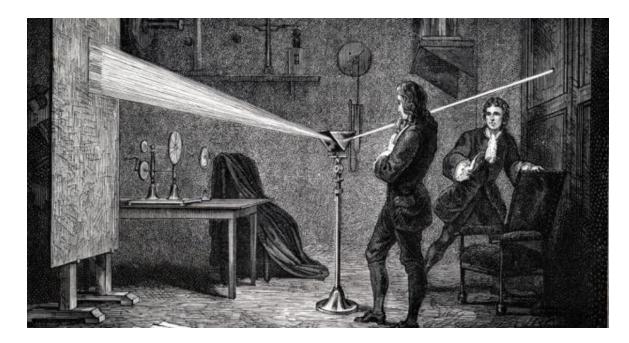
The Fine Art Fund Group

Saatchi Art

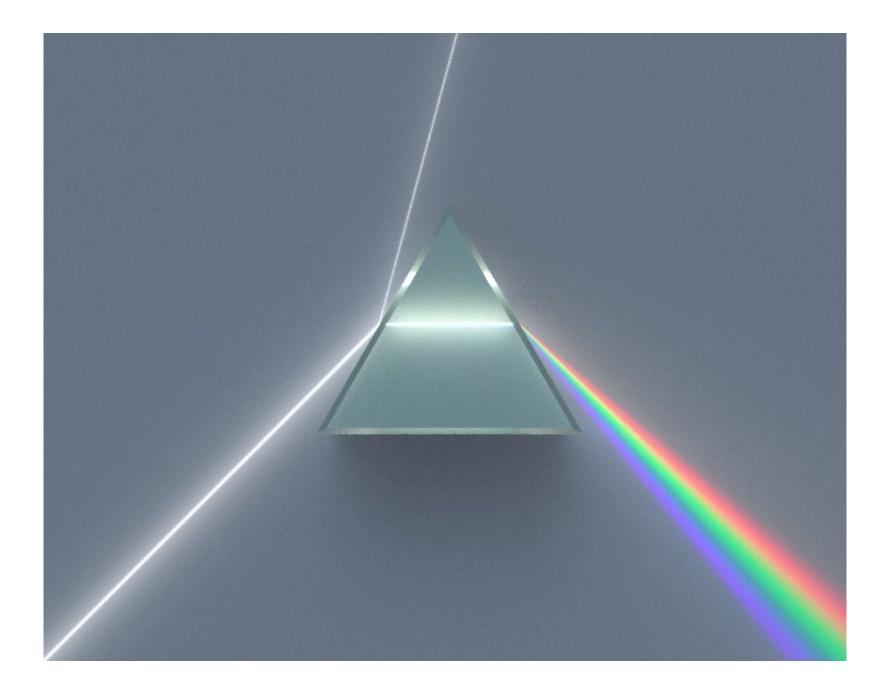
#### Jeff Koons Boquet of Tulips

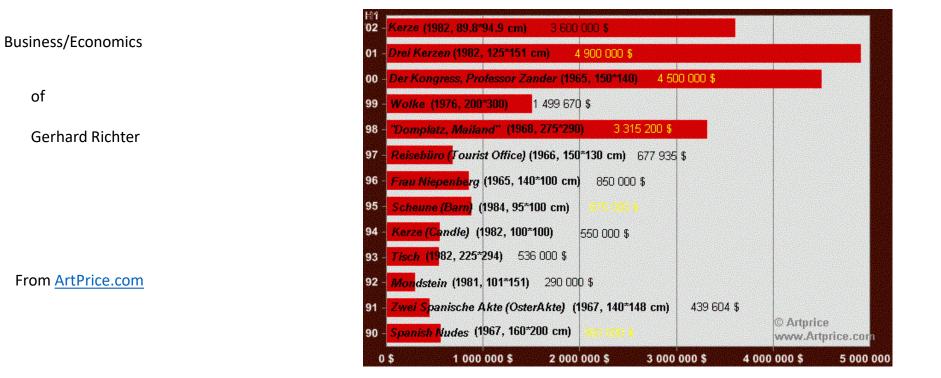


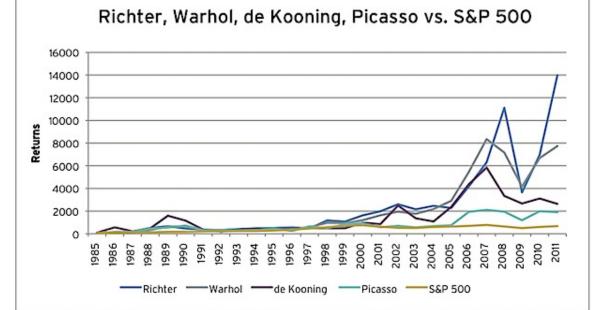
Science!



Isaac Newton





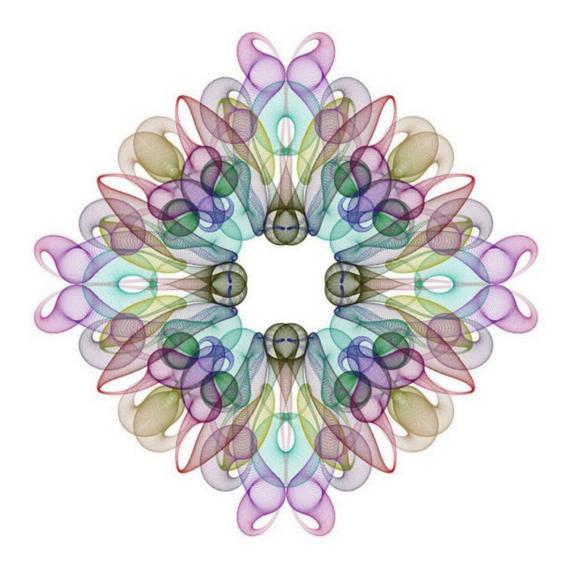


From Reuters.com

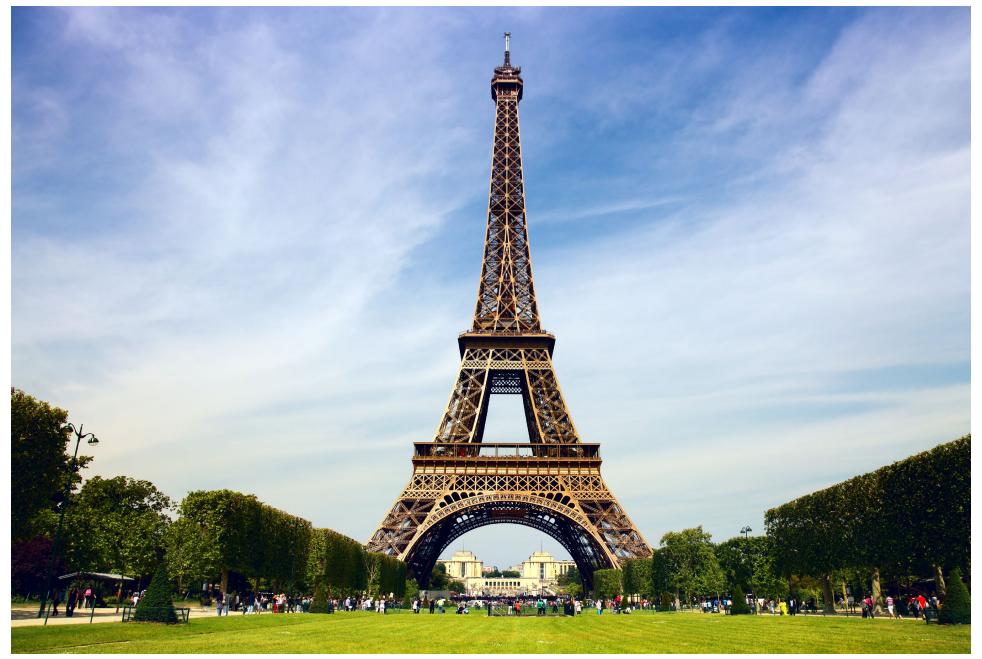
of

Algorithmic art, also known as algorithm art, is art, mostly visual art, of which the design is generated by an algorithm. Algorithmic ar

Naderi Yeganen "15,000 Circles"



#### Engineering



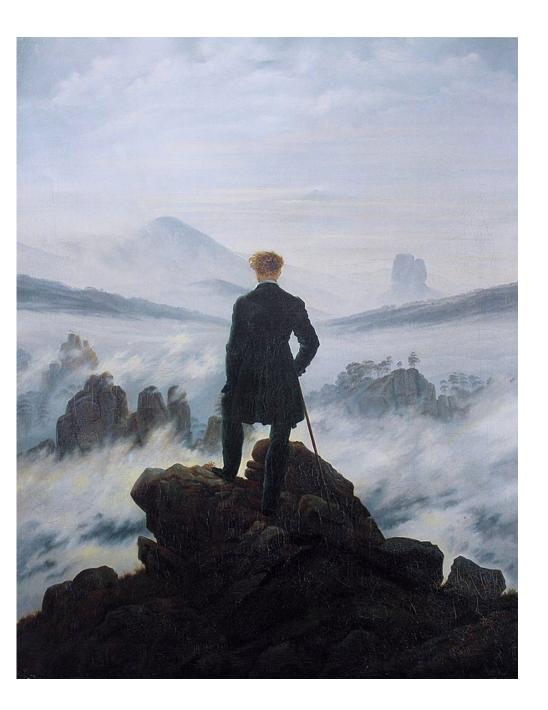
Gustave Eiffel, "Eiffel Tower" 1887



Kate Raudenbush DUEL NATURE, 2006 (Burning Man)

English -Romantic Movement

Caspar David Friedrich "Wanderer above the Sea of Fog" 1818



Francisco Goya "Saturn Devouring His Son" 1823

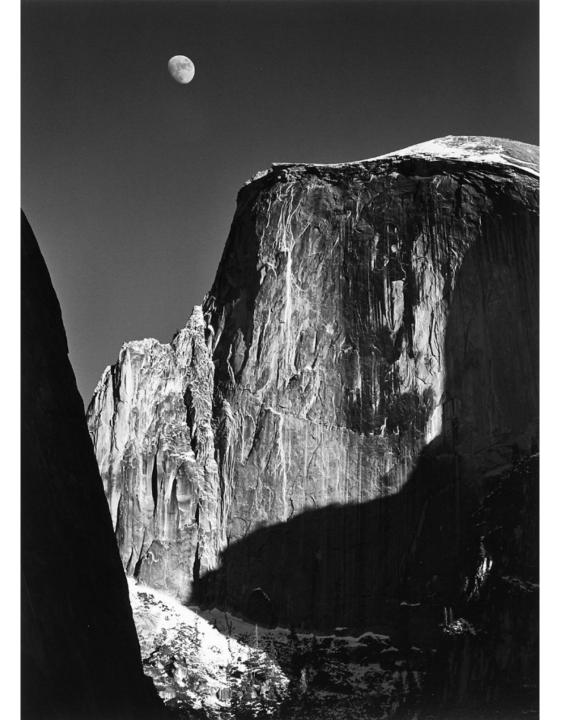


Geography



Robert Smithson, Spiral Jetty, 1970, Rozel Point, Great Salt Lake, Utah, 1500 (if unwound) x 15 foot spiral of basalt, sand, and soil,

Geology



Ansel Adams "El Capitan"

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Health

#### Leonardo Da Vinci

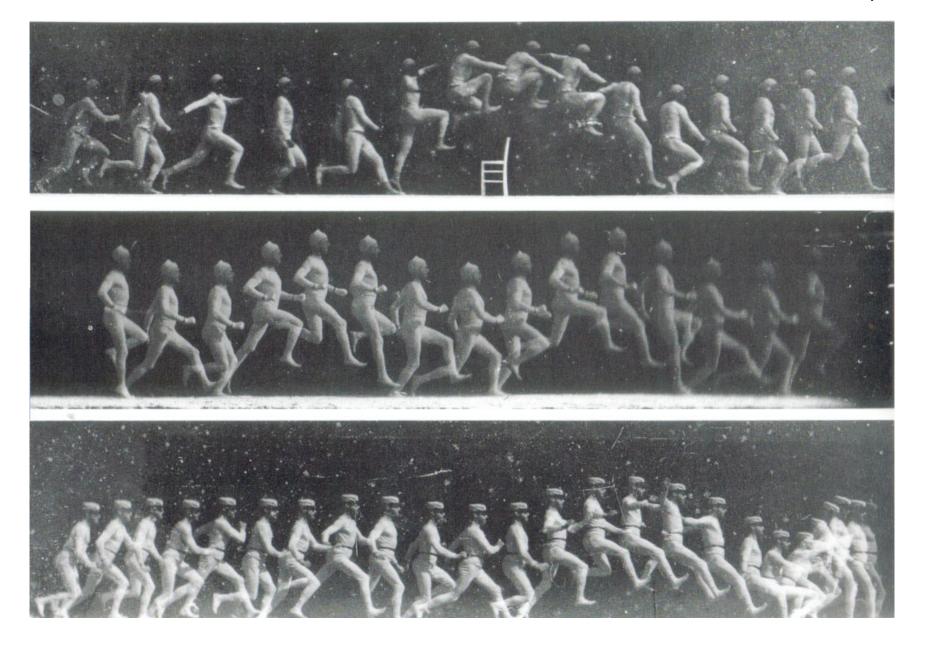
#### Humanities

### Eugene Delacroix The Death of Sardanapalus 1844



### Kinesiology

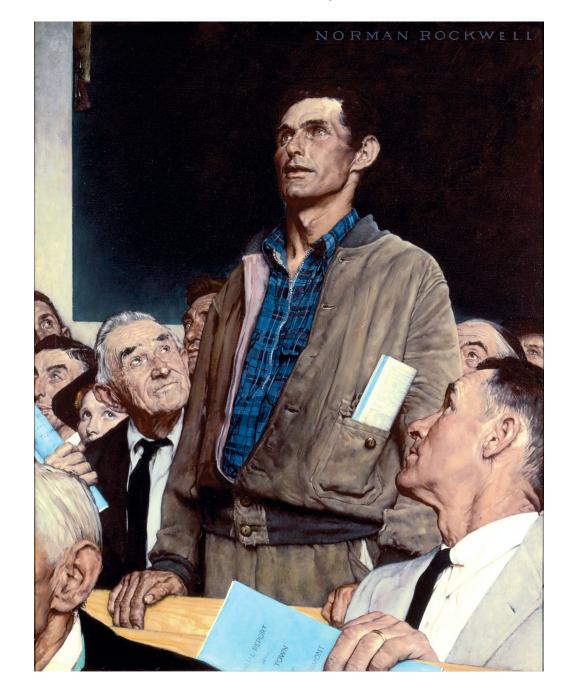
### Etienne Jules Marey



#### Marina Abramović: The Artist is Present



## Norman Rockwell (1894-1978), "Freedom of Speech," 1943. Oil on canvas,





Felix Gonzalez Torres "Untitled" (Billboard Series)



Shepard Fairey

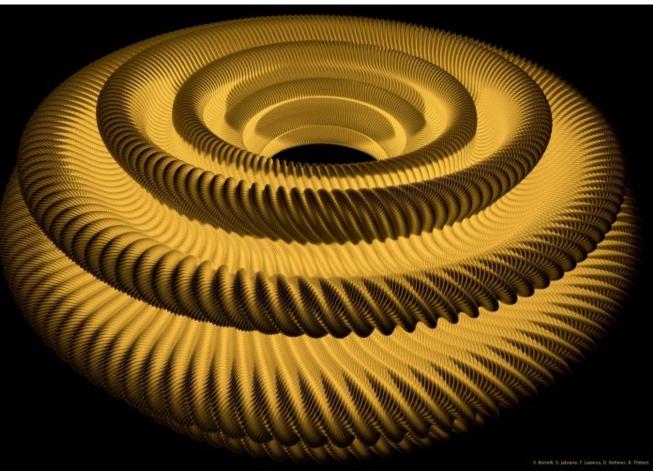
## Wireframe drawing of a vase as a solid of revolution by Paolo Uccello. 15th century



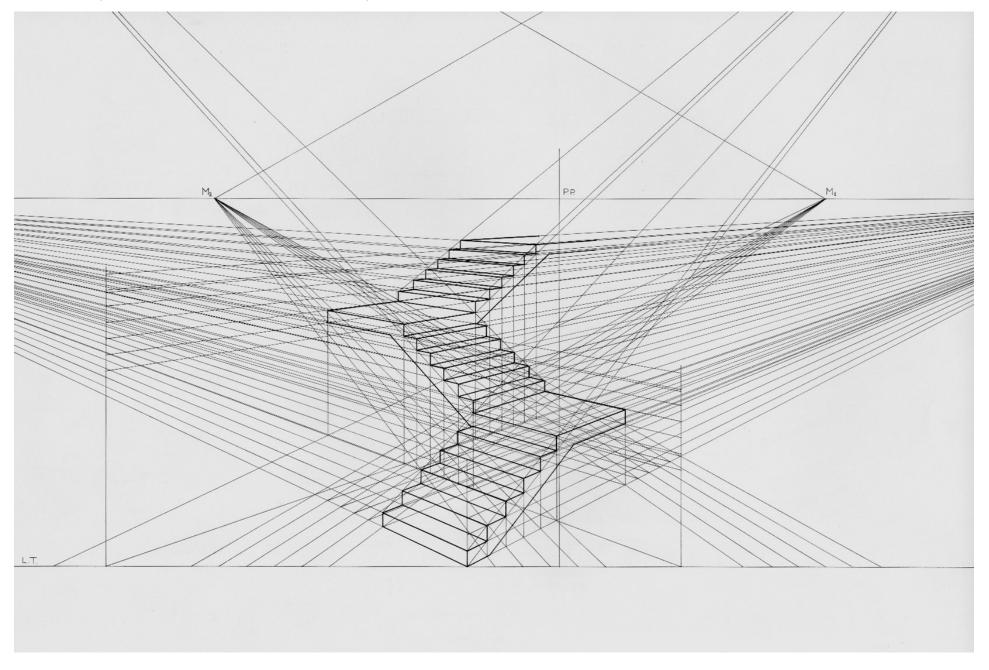
Math

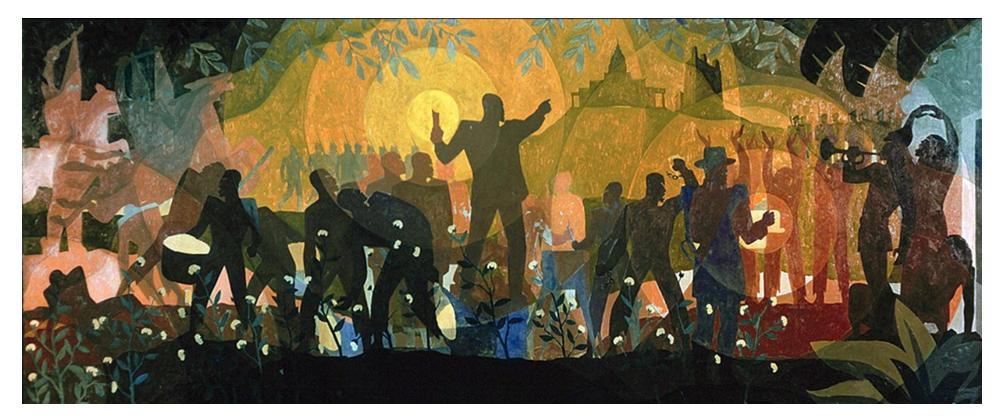
Isometric embedding was fundamental work done by A Beautiful Mind mathematician John Nash, along with Nicolaas Kuiper - and it

Hevea Project (Team of Artists) Digital Rendering



#### Linear Perspective is based on Euclidean Geometry

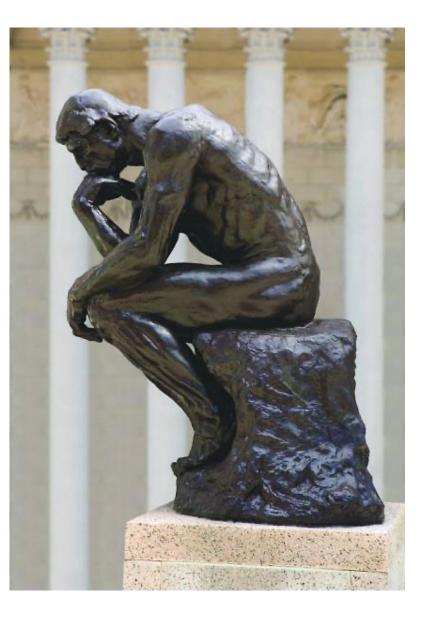




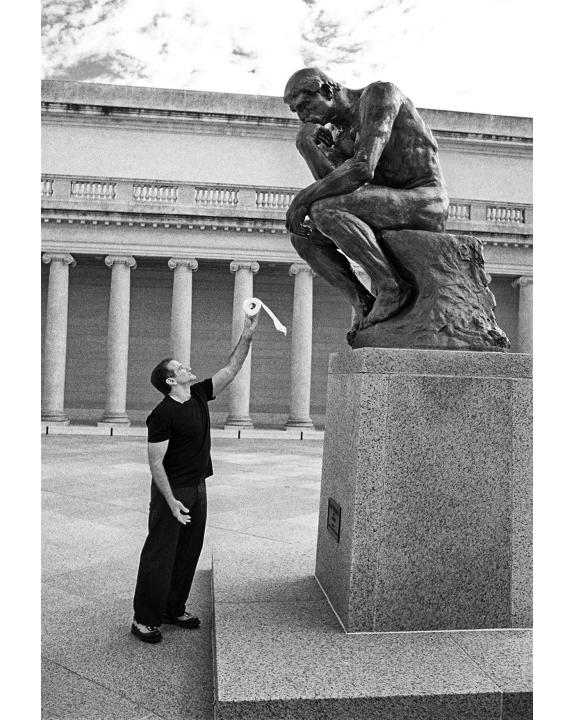
Aaron Douglas "Aspects of Negro Life: From Slavery Through Reconstruction"

Music

Philosophy



Auguste Rodin "The Thinker"





Jeff Koons, Seal Walrus (Trashcans), 2003

polychromed aluminum, galvanized steel 63 5/8 x 45 7/16 x 30 9/16 inches

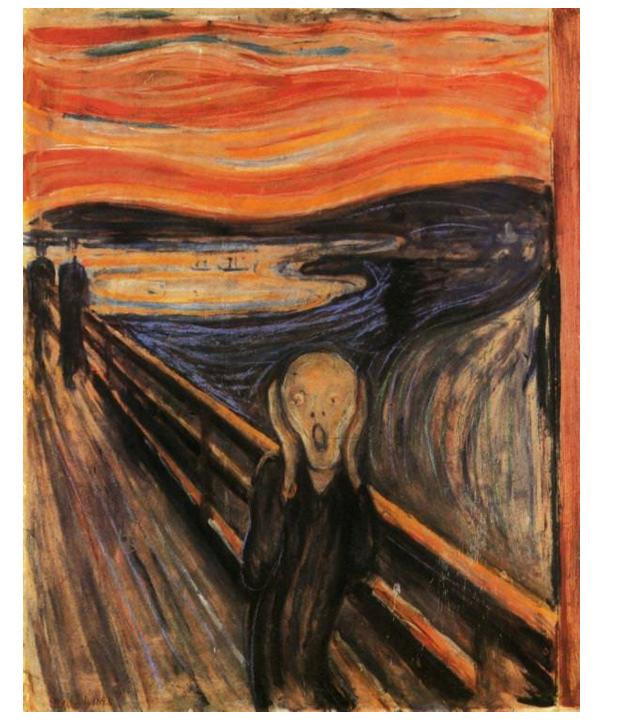




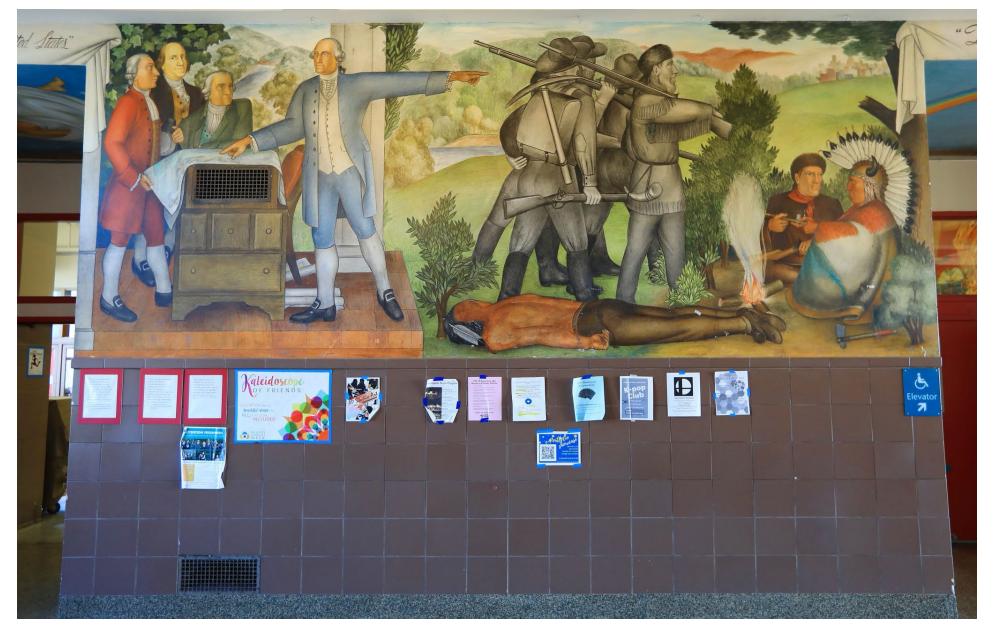
Jasper John, Three Flags, 1958.

Psychology

The Scream Edvard Munch 1893

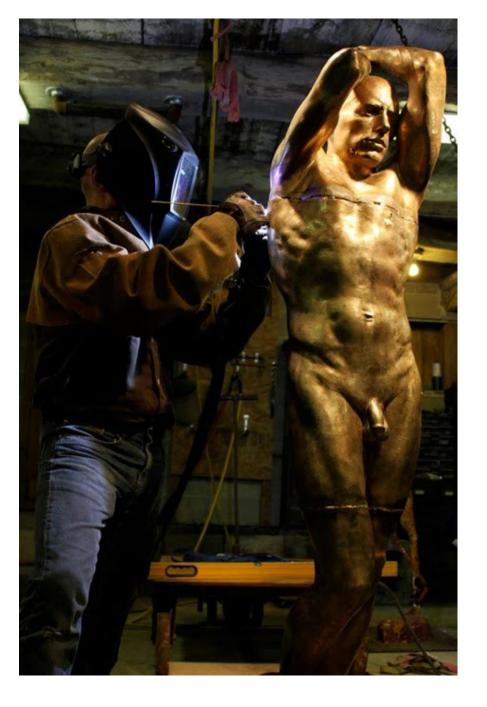


#### Sociology



A section of the mural at George Washington High School in San Francisco, painted by the Russian-American artist Victor Arnautoff,

Welding Technology



Brian Booth Craig



## Art Analysis

Asking Questions!

Formal

Socio-cultural



Describe this piece using your 5 senses. One sentence per sense.

## Mars Station

- In groups you will be creating a proposal for a 500 person space station on Mars.
- Think about how you would design the perfect *utopia*.
- Your proposal must include:
  - Floor plans for the different areas of your station
  - Large sketch of the outside of station
  - Example sketches of interior of station
  - Functional areas for Martian day to day life.
  - Name of your station
- The focus should be on creating an innovative and functional design, not on artistic perfection.







