Alla ricerca della Simmetria intorno a noi

Scuola Elementare di Collevalenza

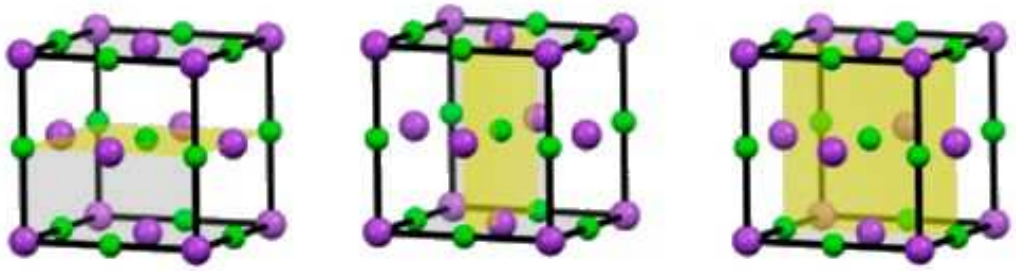
Cosa vuol dire “Simmetria”?

- Dal greco: συν (con) + μετρον (misura)
- A cosa ci fa pensare?

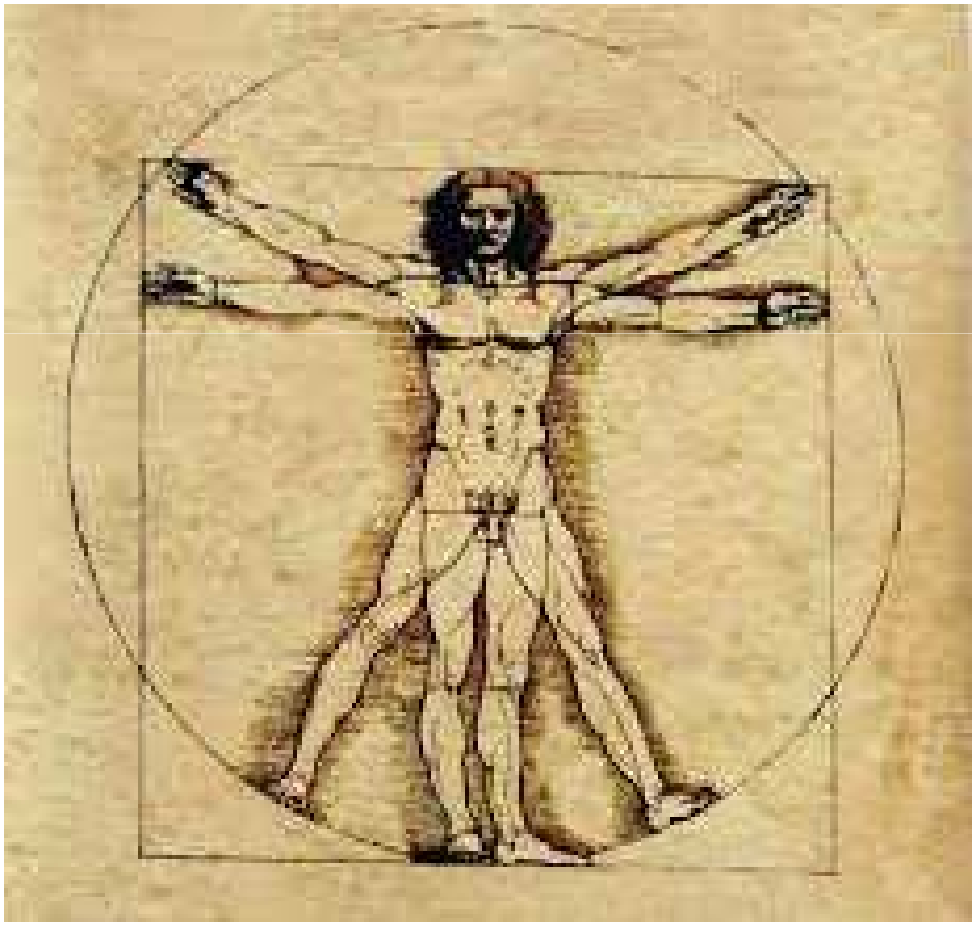
Simmetria nella natura

Simmetria nella natura

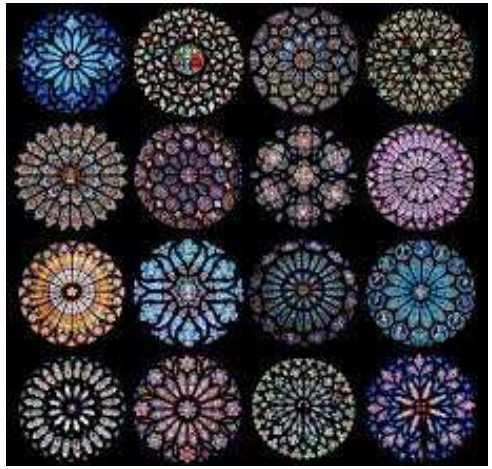
Simmetria nella natura



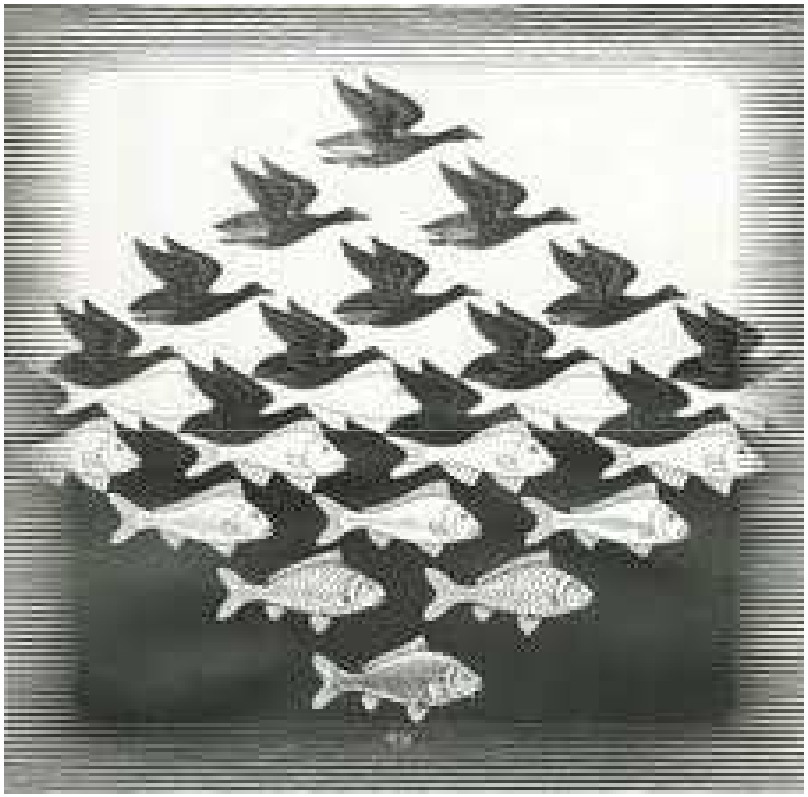
Simmetria nel corpo umano

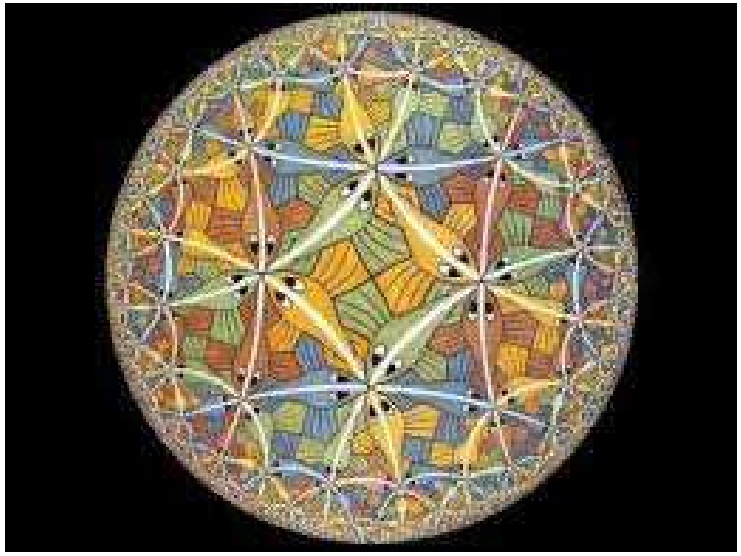


Simmetrie nell'arte …



Simmetrie nell'arte …



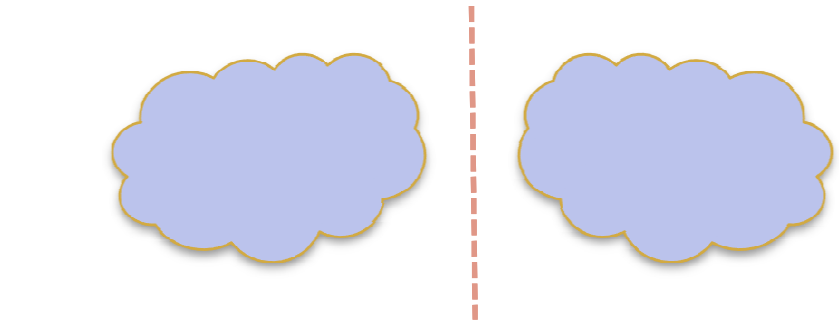


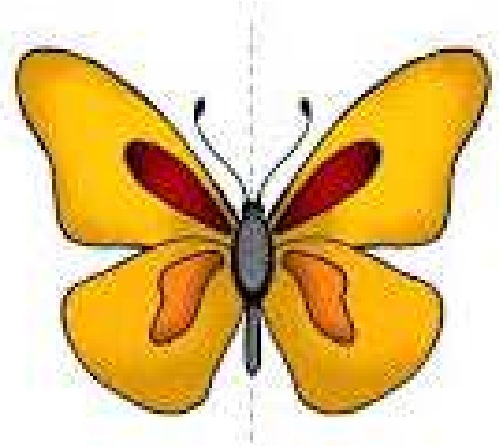
…e nell'architettura

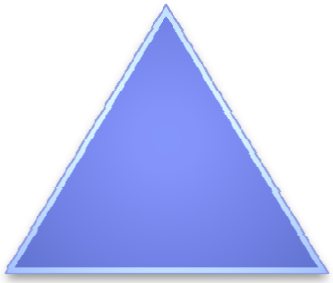
Simmetria negli oggetti che ci circondano

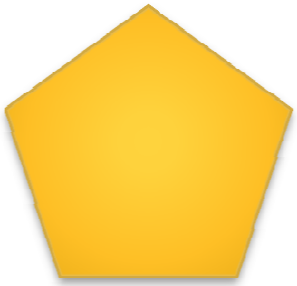
Simmetria fin dall'antichità …

In matematica







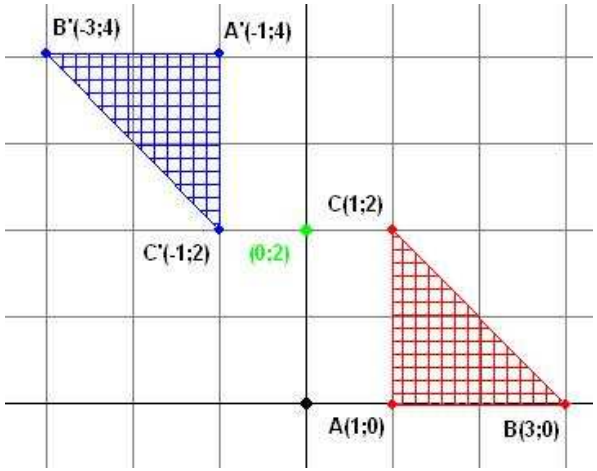


In matematica

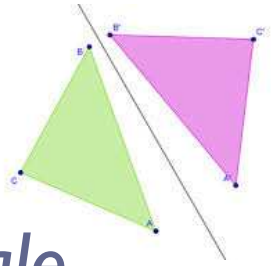
Simmetria = trasformazione dei punti del piano che lascia la figura invariata

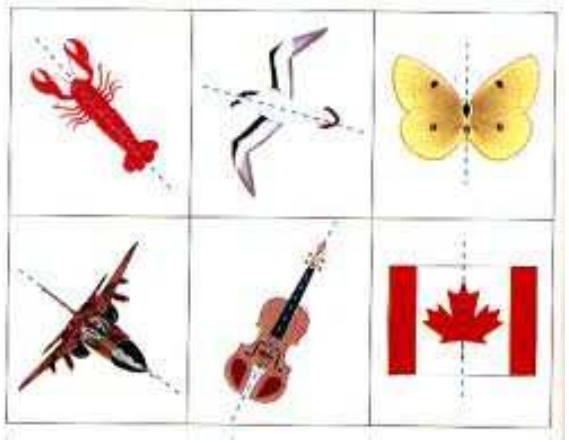
- *Simmetria rotatoria*

- *Simmetria centrale*



In matematica





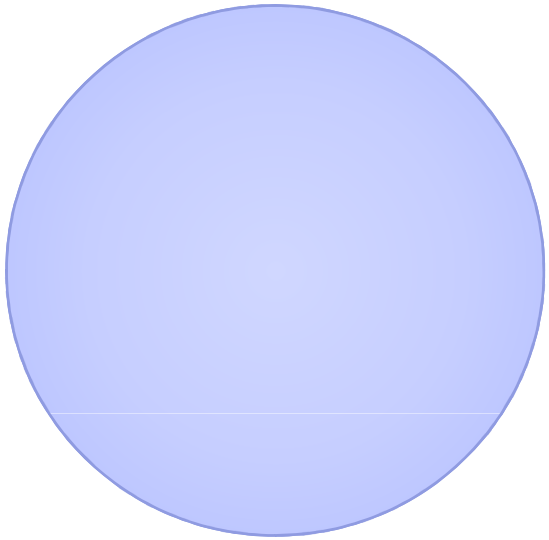
- *Simmetria assiale*

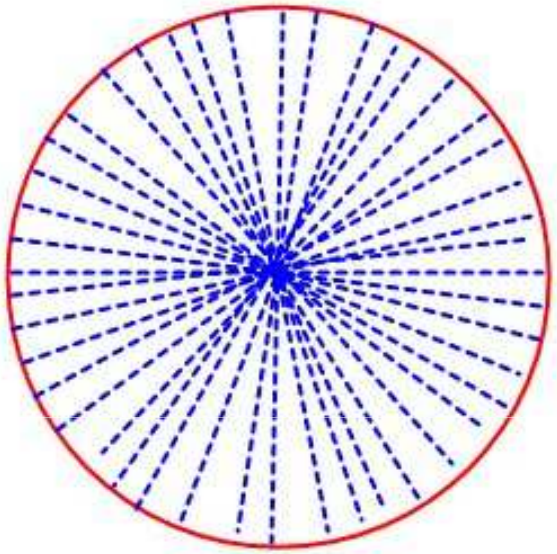
- *Simmetria traslazionale*

- *Simmetria radiale*

- *Simmetria circolare*

In matematica



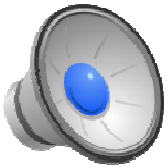


- Gioco:

http://www.baby-flash.com/simmetria/simmetria4/trascinaVOO1.swf

In musica

- http://strangepaths.com/canone-1-a-2/2009/01/18/it/



Simmetrie con le parole

I palindromi

- AEREA

A E R E A

- 74547
- I TOPI NON AVEVANO NIPOTI
- AI LATI D'ITALIA

Simmetrie in letteratura

San Martino del Carso (G. Ungaretti)

Di queste case non è rimasto che
qualche brandello di muro

Di tanti che mi corrispondevano non m'è
rimasto neppure tanto

Ma nel mio cuore nessuna croce manca

E' il mio cuore il paese più straziato