Leonardo Pisano Fibonacci

* an Italian number theorist
* It is believed that Leonardo Pisano Fibonacci was born in the 13th century, in 1170 (approximately) and that he died in 1250
* Fibonacci was born in Italy but obtained his education in North Africa
* Much of the information about Fibonacci has been gathered by his autobiographical notes which he included in his books.
* Fibonacci gave us our decimal number system (Hindu-Arabic numbering system, using number 0-9) which replaced the Roman Numeral system
* The Fibonacci sequence is a pattern of numbers where each number is the sum of the two preceding numbers, starting with 0 and 1: 0, 1, 1, 2, 3, 5, 8, 13 . . .
* This sequence has connections to several different mathematical and natural subjects, including the [golden ratio](https://en.wikipedia.org/wiki/Golden_ratio), the [Fibonacci spiral](https://en.wikipedia.org/wiki/Golden_spiral), and [Pascal's triangle](https://en.wikipedia.org/wiki/Pascal%27s_triangle). Because of its wide range of appearances and applications, it has become a subject of fascination and [popular culture](https://en.wikipedia.org/wiki/Fibonacci_numbers_in_popular_culture).





Sources:

<http://math.about.com/od/mathematicians/a/fibonacci.htm>

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

Video

<http://www.bing.com/videos/search?q=leonardo+fibonacci+biography&&view=detail&mid=726D50F3C7FBE169D6A1726D50F3C7FBE169D6A1&FORM=VRDGAR> ( scientist enthusiastically explains sequence)

<https://www.youtube.com/watch?v=o5pmU21smjU> (history of sequence) Cut off at break

<https://www.youtube.com/watch?v=kkGeOWYOFoA#t=209> (video of pics with fibonoccie sequence)