



# ARCHIE'S MATH RESOURCES LIST

## FOR FIBONACCI SEQUENCE, NUMBER PATTERN & CURVE EXHIBIT

● Manipulatives ● Activities ● Games ● Posters ● Worksheets ● Downloads & Freebies



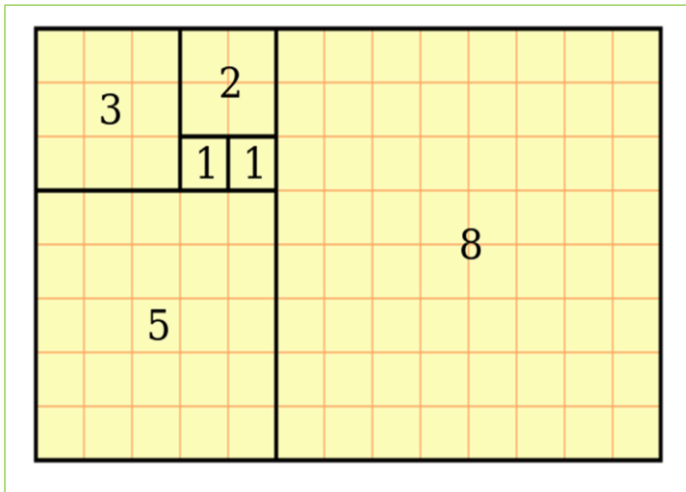
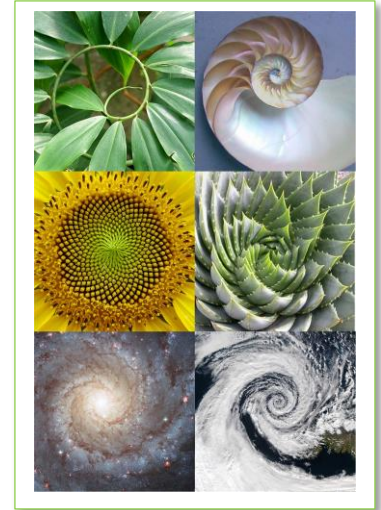
### The Fibonacci Sequence

(pronounced 'fee-bow-notch-ee')

A number sequence is a list of numbers that follows a pattern. The next number in the Fibonacci sequence is found by adding the two numbers before it:

**0,1,1,2,3,5,8,13,21..**

If you make squares with the sides of the square equal to the Fibonacci numbers the squares look like the diagrams below and you get a nice spiral often found in nature!



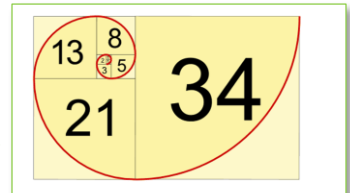
### D-I-Y FIBONACCI MANIPULATIVE ACTIVITY

Available from HOME SCHOOL MATH

[www.homeschoolmath.net](http://www.homeschoolmath.net)

[https://www.homeschoolmath.net/teaching/fibonacci\\_golden\\_section.php](https://www.homeschoolmath.net/teaching/fibonacci_golden_section.php)

This website offers a complete free download lesson plan, D-I-Y manipulative and activities for covering the Fibonacci Sequence in classroom! Instructions included to create a tiling system that uses squares whose side lengths are successive Fibonacci numbers, similar to the one used in the Archie's Math exhibit!

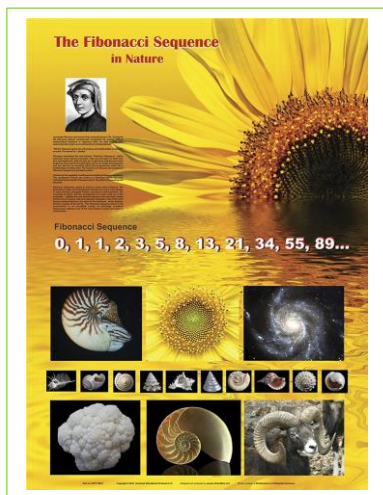


### FIBONACCI CLASSROOM POSTER

From AMERICAN EDUCATIONAL PRODUCTS

Available from Amazon

Amaze students with this fascinating poster detailing the Fibonacci Sequence and its presence in nature. Also includes interesting information about the man himself. This large-sized poster (18" x 24") is colorful and durable.

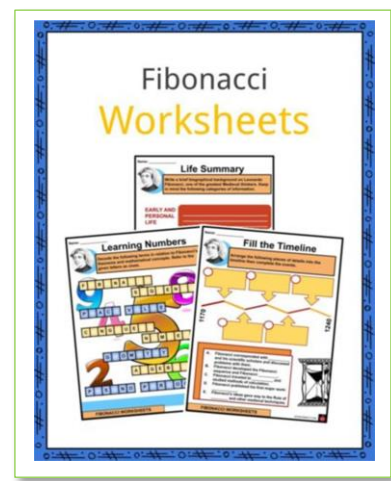


### FIBONACCI WORKSHEET SET

Available from KIDS KONNECT

[www.kidskonnct.com](http://www.kidskonnct.com)

This is a fantastic bundle which includes everything you need to know about Fibonacci across 23 in-depth worksheets. These are ready-to-use and are perfect for teaching your kids about his Sequence, the properties of numbers, his life, legacy and where would we be without his work.

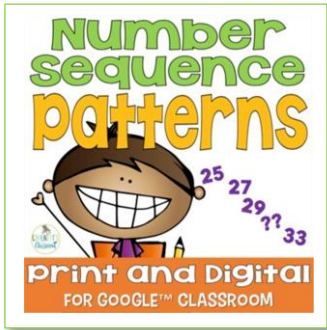


## Number Sequence Patterns

# WORKSHEETS

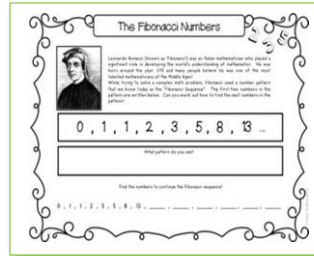
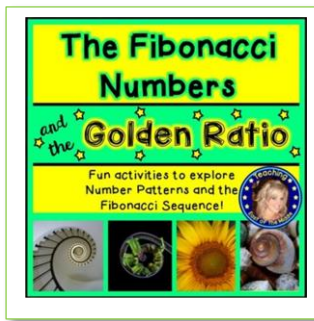
Available from Teachers Pay Teachers  
[www.teacherspayteachers.com](http://www.teacherspayteachers.com)

Students practice number patterns that include multiples and growing patterns. Print & Digital versions are included in this instant download bundle.



Check out these other websites for more great worksheets!

[www.dadsworksheets.com](http://www.dadsworksheets.com)  
[www.math-salamanders.com](http://www.math-salamanders.com)  
[www.urbrainy.com](http://www.urbrainy.com)  
[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)  
[www.worksheeto.com](http://www.worksheeto.com)  
[www.mathsdiary.com](http://www.mathsdiary.com)



## Fibonacci Based Learning MATH GAMES & ACTIVITIES

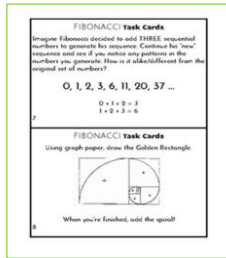
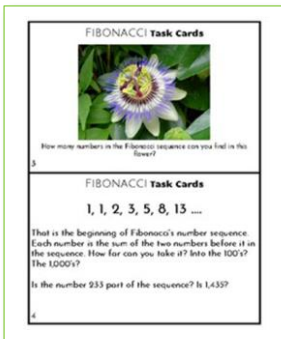
Available from Teachers Pay Teachers  
[www.teacherspayteachers.com](http://www.teacherspayteachers.com)

The Fibonacci Sequence is a wonderful way to explore number and pattern through making authentic connections to the world we live in. This elementary-friendly bundle allows students to experience first-hand how number patterns exist naturally in our world.

## FIBONACCI TASK CARDS

Available from  
Teachers Pay Teachers  
[www.teacherspayteachers.com](http://www.teacherspayteachers.com)

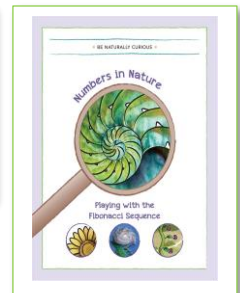
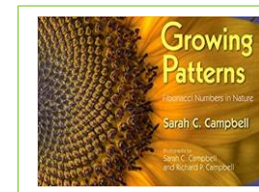
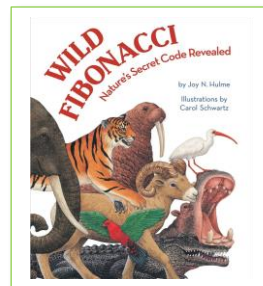
A set of 13 Fibonacci Task Cards that kids can use when learning about number patterns, patterns in nature, the golden ratio, or the Fibonacci sequence. Instant download...ready for you to print and use!



## FUN ACTIVITIES FOR IN-CLASS AND ON-LINE TEACHING

### BUILD A LIBRARY ON FIBONACCI!

These award-winning books are great aids in teaching Fibonacci Sequence on-line. There are many titles beyond those shown – such as “Fibonacci Zoo”, and “Blockhead”. A math story time is a great way to add some fun to a tough school day of on-line classes! **Check out all the Fibonacci titles on Amazon.com**



## RESOURCES/DOWNLOADS/FREEBIES

[www.teacherspayteachers.com](http://www.teacherspayteachers.com) A great resource for teaching aids for all math subjects at all grade levels. Their selection of worksheets and activities is second to none. All items are available as instant digital downloads and cost is minimal.

[www.homeschoolmath.net](http://www.homeschoolmath.net) Great website covering a wide range of math-focused subjects. Workshop plans, lesson plans and innovative ideas for teaching math concepts.

[www.math-salamanders.com](http://www.math-salamanders.com) Wide range of math-focused topics and grade levels. ALL FREE DOWNLOADS. Many options for math worksheets and activities.

[www.kidskonnct.com](http://www.kidskonnct.com) Offers a wide range of math focused items including worksheets, posters and more.

[www.mensaforkids.org](http://www.mensaforkids.org) This website has a wide range of math focused lesson plans, workshop plans, projects and activities.

[www.fractalfoundation.org](http://www.fractalfoundation.org) Offers a wide range of math related teaching aids including lesson plans, activities, complete workshops and fun projects for elementary kids.

[www.fatbrain.com](http://www.fatbrain.com) Offers a very comprehensive website. Easy sort by category and age groups. They also offer collections curated for boys or for girls. You will find those unusual teaching items that you won't find elsewhere!

[www.dadsworksheets.com](http://www.dadsworksheets.com) Worksheets galore for all math subjects!

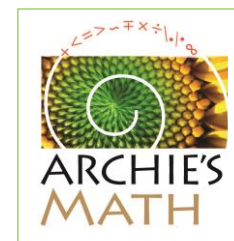
[www.mathartfun.com](http://www.mathartfun.com) Fun resource for math games, activities, and more

[www.solveandsimplify.blogspot.com](http://www.solveandsimplify.blogspot.com) This site has a lot of interesting teaching ideas for Fibonacci Sequence in nature...including a teaching plan for Bee Ancestry!

# “FIBONACCI” RESOURCE SHEET – Cost Information

TEACHER  
RESOURCE  
PROGRAM

www.archiesmath.org



## SIDE #1:

<u>ITEM DESCRIPTION</u>	<u>Listed Internet</u>	
	<u>Price</u>	<u>Source</u>
(1) The Fibonacci Sequence (general information only – no product offered)	N/A	N/A
(2) D-I-Y Fibonacci Manipulative Activity	Free Digital Download	www.homeschoolmath.net
(3) Fibonacci Poster	\$11.99	www.Amazon/American-Educational-products
(4) Fibonacci Worksheet Set	Digital download w/free basic membership	www.kidskonnnect.com

## SIDE #2:

(5) Number Sequence Pattern Worksheet	\$5.00 download	www.teacherspayteachers.com
(6) Math Games & Activities	\$4.00 download	www.teacherspayteachers.com
(7) Fibonacci Task Cards	\$2.99 download	www.teacherspayteachers.com
(8) Fibonacci Library		
Wild Fibonacci	\$7.99	www.amazon.com
Growing Patterns	\$14.39	www.amazon.com
Numbers in Nature	\$14.99	www.amazon.com
Fibonacci Zoo	\$17.11	www.amazon.com
Blockhead	\$16.99	www.amazon.com

### **NOTE:**

In researching manipulatives and learning aids for this Teachers Resource Program we selected items that dovetailed with the Archie’s Math exhibits that students and teachers would have experienced at an Archie’s Math event. We also kept in mind the cost outlay to teachers and schools. We found in our research that in many cases there were similar products to choose from, and in varying price ranges. To find additional options than those shown on the Research Sheet be sure to check the **“Resources/Downloads/Freebies”** section at the bottom of each resource sheet for more internet sites offering cost effective teacher aids, activities and worksheets on that subject.