



# Learning Activities for Growing Patterns

## Fibonacci Flower Puzzle

1. Cut the puzzle pieces apart.
2. Laminate the pieces. (Optional.)
3. After reading *Growing Patterns* to your students, give them an opportunity to put together the puzzle.
4. Turn to page 17 in *Growing Patterns* for hints.

Visit [www.sarahccampbell.com](http://www.sarahccampbell.com) to find more printable activity sheets.

## Fibonacci Grid

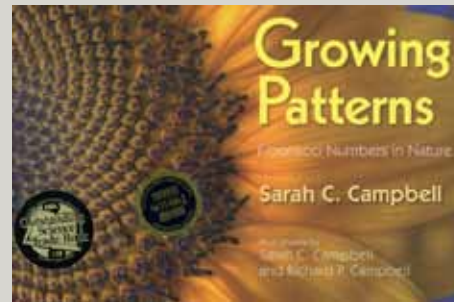
On a web page titled **Growing Patterns for Teachers**, you will find several versions of the Fibonacci grid, which features prominently in the book's design. Choose either the 8.5" x 11" or 8.5" x 14" grid.

1. Download and print copies of a Fibonacci grid.
2. Ask your students to fill in the squares with the appropriate numbers from the Fibonacci sequence and/or draw a picture of a flower with the requisite number of petals.

## Make Your Own Growing Pattern

The pattern in *Growing Patterns* starts with 1 and 1. What would happen if you used the same rule as the Fibonacci numbers, but started with 2 and 1? What would the first 10 numbers in your growing pattern be? Check out pp. 30-31 to find out what this number pattern is called.

Choose your own starting numbers and make a pattern of your own.



Growing Patterns: Fibonacci Numbers in Nature  
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