



NATURAL CODE OUTDOOR ACTIVITY

Introduction:

What is the Fibonacci Sequence and what if you could find it in your backyard or home. Flower Petals, Seed Heads of flowers, Pinecones, Pineapple, Cauliflower.

Myth: Seashells are an example of fibonacci sequence
Code a Fibonacci sequence model in Scratch

Fact: One sea creature "the Nautilus" is an example of this, but most seashells show us examples of the logarithmic spiral.

Activity:

Key concept: The Fibonacci sequence starts like this: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55 and so on forever. Each number is the sum of the two numbers that precede it. It is a pattern we can sometimes see in nature

Objective:

Today we are going to explore nature and learn about how math and nature are connected. We will be collecting images or samples from the outdoors and then using scratch to recreate certain natural phenomena with Scratch Coding.

Tools:

Camera or exploration journal, Scratch.mit.edu

Prep:

Take a walk outside and take a look at how flowers, trees, shells, and other natural objects are full of beautiful patterns! Lets nature inspire you in today's Scratch challenge.



SHARE! When you finish your project. Take a picture of your video and share it with us
#NaturalMakerSpace & #MakerFun

#MakerFun DAILY CHALLENGE

Join us every week day at 10am AST for a new **Make-At-Home** activity & 1pm AST for an **Outdoor activity** or a Digital Learning skill while schools are closed.



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