



GTEAMS – Agua Caliente Elementary School



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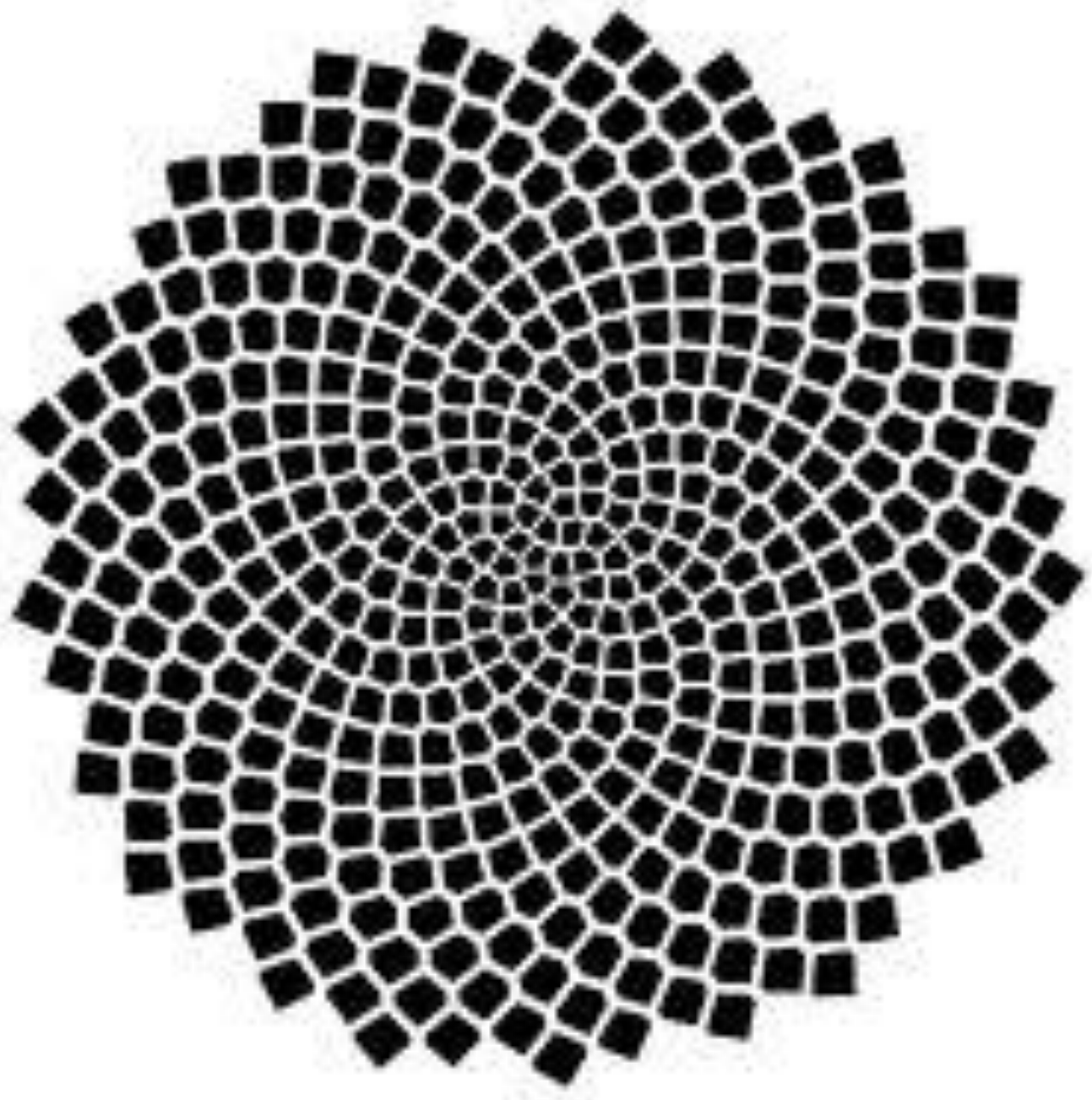
Svea Anderson
Agua Caliente Elementary School
4th Grade

Fibonacci Sequence

To illustrate number patterns, the students were taught the Fibonacci Sequence:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144 ...

The Fibonacci Sequence occurs in a plethora of situations in nature. To illustrate this, students made scientific drawings of different objects that demonstrate the theory (sunflowers, daisies, artichokes, pineapples, and seashells).



Weather Chasers

Weather and its associated measurements (wind speed, barometer pressure, temperature, etc.) have important real world applications. To make sure students understood the importance of these measurements they were tasked with researching an extreme weather phenomenon and making an informative, yet fun, video on the topic.



Inventions

To further develop the skills needed to think critically and problem solve, the students were tasked to create an invention that would keep an ice cube frozen for the longest time possible.



Department of Evolutionary Biology

Our partnership has focused on bringing resources into the classroom. One of these resources was the Department of Evolutionary Biology from the University of Arizona. The volunteers taught the class about how plants adapt and compete for natural resources. The final project that the students completed was to visually display the different statistics that were found during their research – how many plants died, how tall each plant grew, and what type of plant thrived best.

