Beauty in Nature.

1. Crash course: An introduction to the Fibonacci sequence.

<https://youtu.be/wTlw7fNcO-0>

OR

Brainpop:<https://www.brainpop.com/math/numbersandoperations/fibonaccisequence/>

2. Fibonacci sequence and golden ratio. Browse through this site, get a handle on the Fibonacci sequence and the golden ratio.

<http://www.mathsisfun.com/numbers/fibonacci-sequence.html>

3. Nature, Fibonacci, and the golden ratio. Change the spiral patterns on the sunflower.

<http://www.mathsisfun.com/numbers/nature-golden-ratio-fibonacci.html>

3. Spirals and patterns. Pictures of this math in nature.

<http://www.math.smith.edu/phyllo//>

4. Use the tessellation software to create an image that YOU would consider beautiful. Then create an ugly pattern. Take screen shots of both and add them to your “Beauty & Patterns in Nature” Chart.

Tesselations/ patterns

<http://www.shodor.org/interactivate/activities/Tessellate/?version=1>

5. optical illusions. Just for fun

<http://www.shodor.org/interactivate/discussions/OpticalIllusions/>