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MAT 135

Instructor: Professor Laurie Service, M.Ed

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## **2-2 Final Project Milestone One: Topic Selection & Outline**

**Title:** The Fibonacci Sequence (I will likely come up with a more interesting title as I delve further into my research on the topic).

**Introduction:** Will be completed at a later time.

### **Strand 1: The History of the Fibonacci Sequence:**

- The inventor of the Fibonacci Sequence, Leonardo Pisano Bigollo
- How and Why Fibonacci invented the Fibonacci Sequence
- The importance of the Fibonacci Sequence
- The Fibonacci Sequence and the Golden Ratio

### **Strand 2: The Mathematics of the Fibonacci Sequence:**

- The Fibonacci Number Formula
- The Golden Ratio
- The fabulous Fibonacci flower formula

### **Strand 3: The Real-World Applications of the Fibonacci Sequence:**

- Fibonacci in nature
- Fibonacci in organs of the human body
- Fibonacci in music
- Fibonacci in coding

**Conclusion:** Will be completed at a later time.

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## **References:**

Dr Ron Knott. (2021, May 9). *The Mathematical Magic of the Fibonacci Numbers*.

RonKnott.Com. <http://www.maths.surrey.ac.uk/hosted-sites/R.Knott/Fibonacci/fibmaths.html>

*Fibonacci in Nature*. (2015, April 24). Go Figure. <http://gofiguremath.org/natures-favorite-math/fibonacci-numbers/fibonacci-in-nature/>

*Fibonacci Sequence - History*. (n.d.). Month, Rabbits, Pairs, and System - JRank Articles.

Retrieved July 11, 2021, from <https://science.jrank.org/pages/2705/Fibonacci-Sequence-History.html>

*Fibonacci Series | Biography | Applications | Nature*. (2020, October 14). Cuemath.

<https://www.cuemath.com/learn/mathematics/arithmetic-fibonacci-series/>

*Flowers and Fibonacci*. (n.d.). PopMath. Retrieved July 11, 2021, from

<https://www.popmath.org.uk/rpamaths/rpampages/sunflower.html>

Henderson, M., Baker, J., & Crilly, T. (2009). *Key Concepts: Mathematics - Fibonacci Numbers*.

TheLibrary.Org. <https://thelibrary.org/blogs/article.cfm?aid=755&lid=0>

Mitchell, C. (2021, April 30). *Fibonacci Numbers and Lines Definition and Uses*. Investopedia.

<https://www.investopedia.com/terms/f/fibonaccilines.asp>

Pierce, R. (2021a, April 17). *Fibonacci Sequence*. Math Is Fun.

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

Pierce, R. (2021b, April 17). *Nature, The Golden Ratio and Fibonacci Numbers*. Math Is Fun.

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

Reynolds, D. (1969). *THE FIBONACCI SEQUENCE: AN INTRODUCTION on JSTOR*. JSTOR.

<https://www.jstor.org/stable/24338377>

Su, F., Aarao, J., Benjamin, A., Moody, M., Vakil, R., & Ward, L. (n.d.). *Fibonacci Number Formula*. Math Fun Facts. Retrieved July 11, 2021, from <https://www.math.hmc.edu/funfacts>

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