

Fibonacci Numbers and Sound Patterns (dimension 2)

Math is an aspect of human consciousness like art and music. It is not taught that way in most schools. In every child there is a unique seed of mathematical talent that can be nurtured to become a most beautiful and unique flower. This introductory math workshop will nurture this seed. We will start by introducing the Fibonacci sequence (1,2,3,5,8...) and train the participants to connect the sequence with sound patterns that could be performed using voice or any musical instruments. Perfect for math lovers from all ages.

Workshop Details

Detail	Information
Date	Saturday, June 28th, 2025
Time	3:00 PM - 4:00 PM
Location	Tompkins Trust Study Room at Tompkins County Public Library
Registration Fee	Free
Contact Information	danovak@gmail.com

Workshop Objectives

- Empowering the participants to feel and enjoy math
- Developing memory and concentration
- Experiencing Math Performance (like theatre)

Topics Covered

- Introduction to the Fibonacci Sequence and turning history (his story) into mystery (my story) (through telling a mathematical story about the number 7 and Susan Hecht)
- Connecting the sequence with Sound patterns ($1=1$, $2=1+1=2$, $3=1+1+1=1+2=2+1$,...)
- Actual performance
- Why it works (Math Induction), Where do we go from here?

Workshop Benefits

- Develop Memory and concentration
- Glimpsing into the art of Mathematics and higher ideas

Registration Instructions

Register at <https://forms.gle/b6V3DUURpz5SYtmG9>
Dr. Dani Novak, Retired professor, Ithaca College. danovak@gmail.com
<https://www.ithaca.edu/faculty/novak>