

# Mandala School Newsletter

Volume XIV ♦ Issue XVIII

February 11, 2022



*Sarah working before school begins*



SAVE  
THE  
DATE!

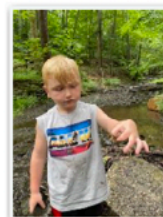


Mandala Summer Camp is back again!

Week 1: July 11 - 15

Week 2: July 18 - 22

**Ages 5 - 12**



Registration begins  
March 3, 2022

To receive email updates send a message to [kelsey@mandalaschool.org](mailto:kelsey@mandalaschool.org)





## Compass Constructions in Math



**Don't forget!**  
**Book reports are due**  
**on Tuesday, Feb. 15th!**

**Donate 16 oz.**  
**plastic bottles**  
**please! We need**  
**10 for science.**



## Student of the Week: Zachary



Zach is a veteran at Mandala. This is his 2nd year. Zach is 10 years old and his birthday is July 21st. He has a sister named Millie who also goes to Mandala, and one dog named Daisy, and also a sibling on the way. Zach says if he could name the baby he would name it Piper for a girl and Dakota for a boy.

Zach has a big personality, he is always making people laugh and smile. He is there for his friends whenever they need him. He is not afraid to speak up and say what he thinks to get his opinion across. We asked Zach if he could change any big problems in the world: it would be sexism and racism.

He says one thing he loves about Mandala is the diversity among the students. Zach enjoys writing creative stories in his free time and at school. He also enjoys riding his bike, drawing, and swimming.

His favorite thing about his sister Millie is that she says Sauerkraut Kids instead of Sour Patch kids. Zach says one thing he wants people to know about him is that he is addicted to Hannah Montana and he likes to write. One quality Zach likes in a friend is being able to trust them. Thus, he is an amazing addition to the community of Mandala.

*Interviewed by Kate and Sarah*





*Students built a snow fort under the picnic table*



*Notre Dame model which Jackson did after Notre Dame burned. He had seen it with the Mandala group in 2018.*



*Amelia & Ms. Erin playing flute*

Some of the older kids have been playing around with exponential growth and scientific notation. We considered the fruit fly. Assuming fruit flies lived forever, we calculated how many fruit flies there would be if we started with one female and one male, having 100 new eggs each week. New and old females would continue to reproduce. Here are our findings:

After calculating a few generations we found that the number of new females ( $y$ ) could be found by multiplying the number of current females ( $x$ ) by 100, dividing by 2, and then adding the current number of females.  $y = 100x / 2 + x$ . We then discovered that there was a relationship between the differences of new flies after each generation. The number of total flies was 51 times greater than the generation before. Once we discovered this, we played around with the number 51 and found that  $y = 51 \times X2$  will give us the total number of flies after  $x$  amount of generations.

The total number of flies after one year would be  $1.2 \times 10^{89}$ . The mass of these flies would be around the same mass as the three Earth's. By: Colleagues of Copernicus



*The younger students have been working on a "marble challenge" trying to get the marble to move across the room and turn at least three times.*