

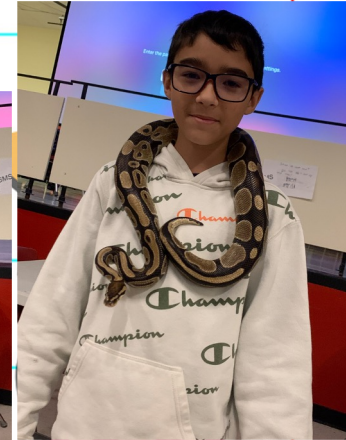
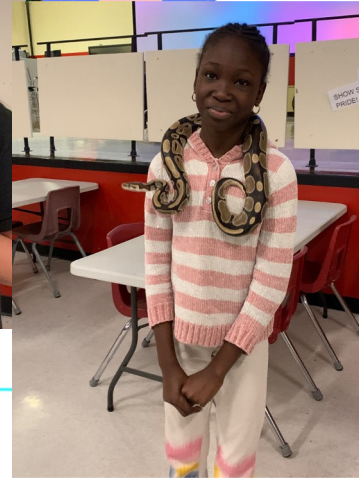
Sanford Middle School



"Muttigrees" SEL Partnership with the Animal Welfare Society

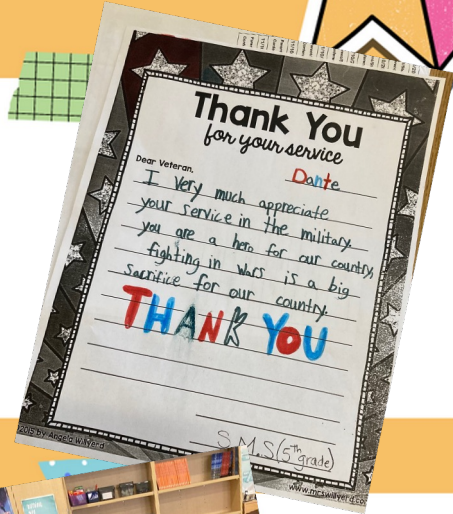
In addition to Second Step, 5th graders get to participate in the Muttigrees program, which capitalizes on children's natural affinity for animals and helps them build compassion for humans.

Each week, our Muttigrees teacher Amanda Zimmerman brings a different animal as a companion to her lesson. Recently, students got to meet a ball python!



Letters to Veterans

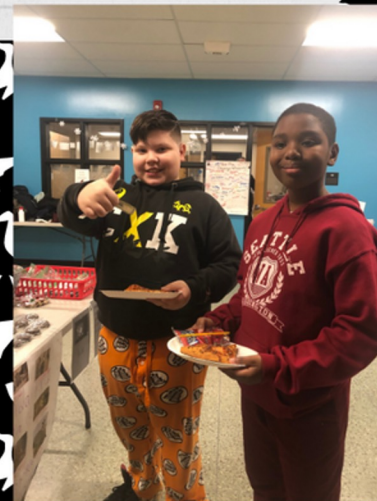
Mrs. Weston spearheaded a letter writing activity across the 5th grade, encouraging students to write letters of gratitude to military veterans. Letters were distributed to local veterans' organizations, and were received with great appreciation.





5th Grade Movie Night

The 5th grade team planned a free movie event for 5th graders after the success of their October event. Dozens of students came to enjoy the fun and helped support the Endangered Species Club's bake sale!





5TH GRADE SCIENCE HIGHLIGHTS

Hands-on experiments with the Mystery
Science curriculum

Students in Mr. Allen's class investigated what clouds are made of and how rain forms in this lesson from the unit "Watery Planet." Students learn different aspects of the water cycle and the importance of access to fresh water across this unit.

SMS Social Studies

***6th Grade** - Mr. Mills and Ms. Sleboda's students examined various perspectives of colonization and performed a Columbus debate and mock trial.

***7th Grade** - Students created awesome letters, diary entries, and scrapbooks from the perspective of a migrating group in early 1900's America.

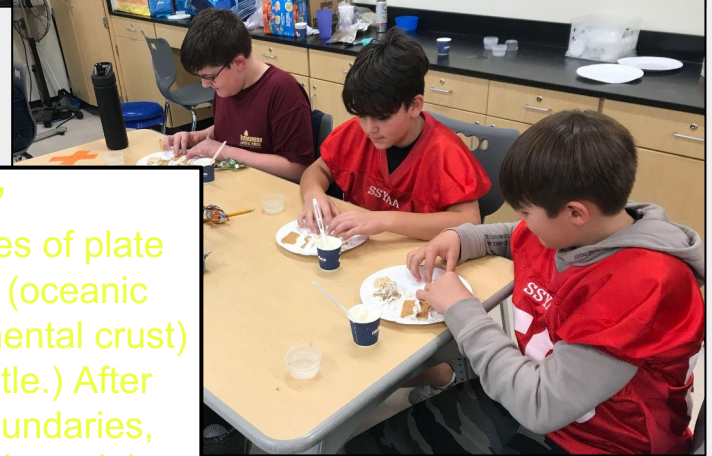
***8th Grade** - Students have become proficient in reading and interpreting thematic maps and completed Zombie Apocalypse projects.

***Exciting News** - We have partnered with Jr. Achievement once again! Volunteers will teach 7th graders about personal finance and 8th graders about the global marketplace. Dates: 8th - March 8, 7th - April 12.



Allie Herring, Ellie Morris, and Natalie Nadeau

6th Grade Earth Science



“Tasty Tectonics Lab”

Students modeled the different types of plate boundaries using graham crackers (oceanic crust); Rice Krispie squares (continental crust) and Cool Whip (magma in the mantle.) After they finished modeling the plate boundaries, students were able to consume their models.

7th Grade Life/Environmental Science-

Students accessing real world learning

Taking science outside to investigate
Mousam River watershed health



Watershed clean up day



Identifying
Macroinvertebrates



Stream Investigation using
macroinvertebrates to determine
water quality



Stump pond amphibian investigation and water testing



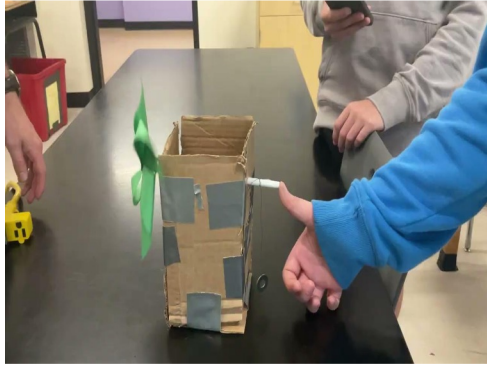
Tree trimming with an
arborist



Soil samples to look for plastic
pollution

8th Grade Physical Science

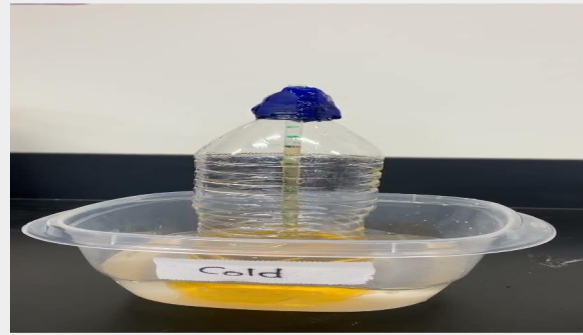
Hands on Activities & Labs



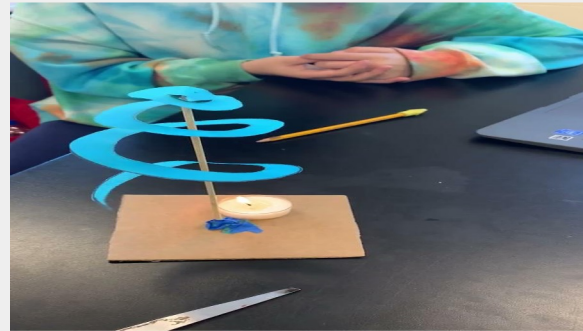
Pinwheel Power



Coke & Mentos Lab



Homemade
Thermometer



Convection Spiral



Elastic Energy
Catapult

8th Grade Physical Science

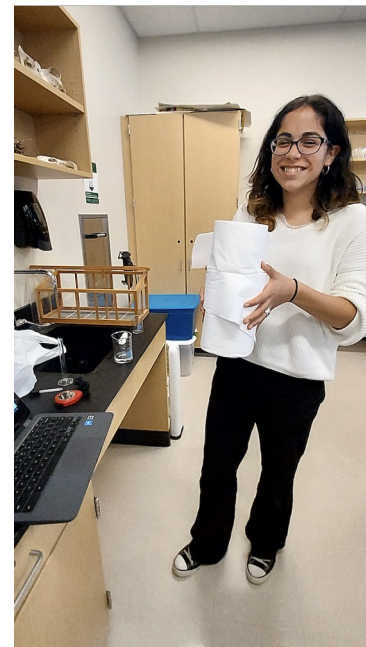
After studying lab safety, measurement, the scientific method and experimental design, students came up with their own testable questions. They then went through a process of designing experiments to test their hypotheses which included controlling variables and figuring out how to measure, collect and organize data. So many interesting questions were investigated and reported using Claim-Evidence-Reasoning. Here are some examples of their work:



Do different candies (like Skittles) react with Diet Coke the same way that mint Mentos react?



What ratio of acid to base optimizes the chemical reaction that produces CO₂?



Is an expensive toilet paper brand really stronger and more absorbent than less expensive brands? (The answer is yes, btw).



Grade 5 = Hoop Gliders, Catapults, Paper Column Strength, Egg Drop, Raft Building

Grade 7 = Straw Rockets, Crash Test Cars, Parachutes, Wind Turbine Blades

Mechanical Advantage Club = LEGO Robotics, Solar Powered Cars, SeaPerch ROVs

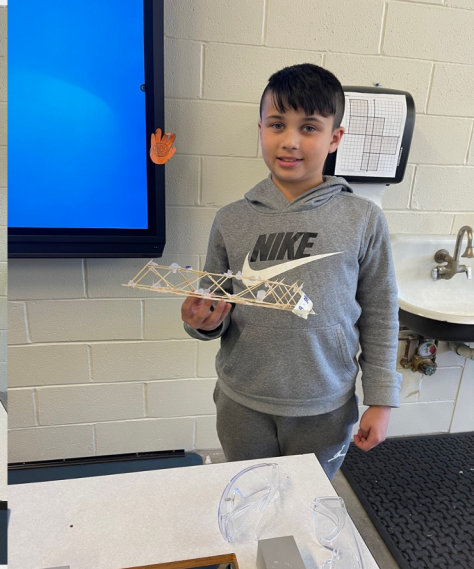
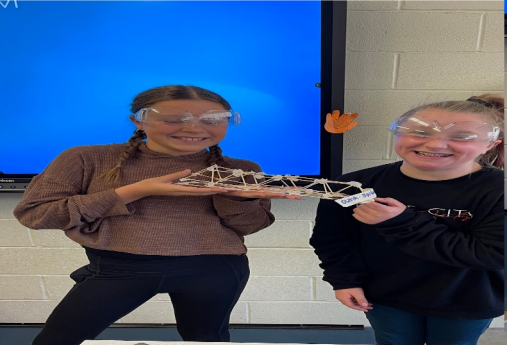
Problem Solving with the Engineering Design Process

Science, Technology, Engineering and Mathematics

STEM



STEM



6th Grade - Bridge Building



Adaptive - Decorating Cookies



7th Grade students collaborating to investigate characters from short stories.



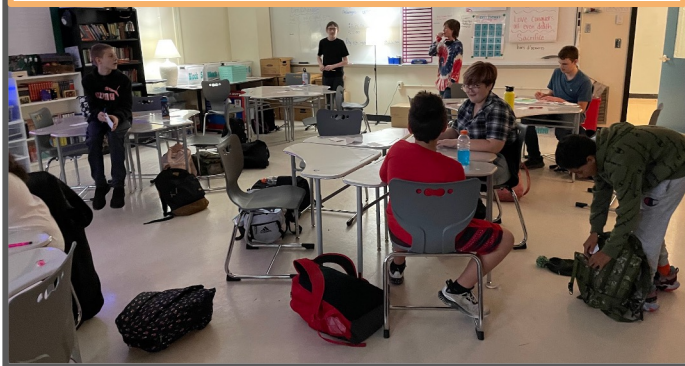
Library Escape Room!



Listening during our first middle school assembly.



Sources of Strength Training



TWIN DAY

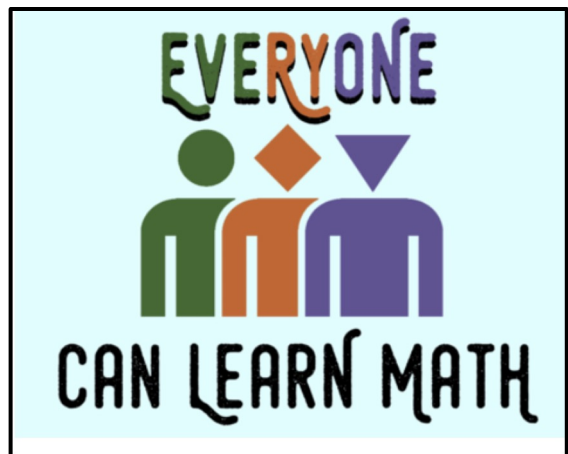
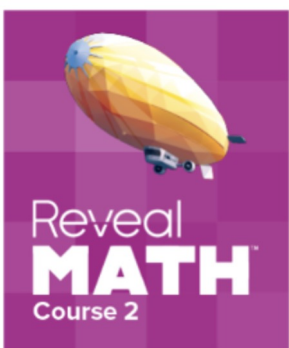


7th Grade students have been busy in 2022!



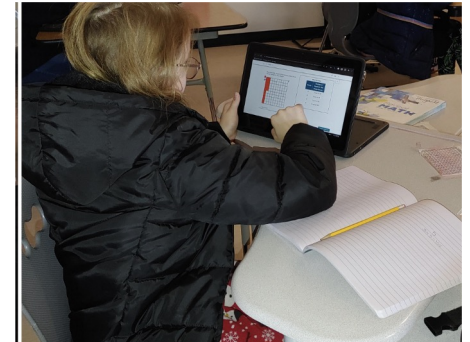
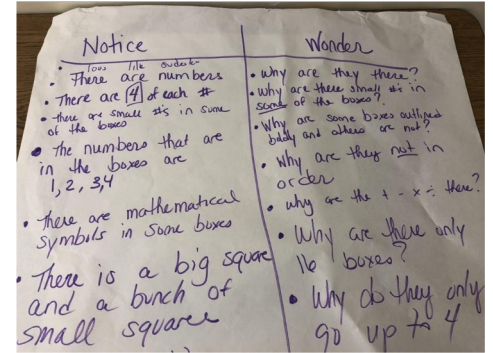
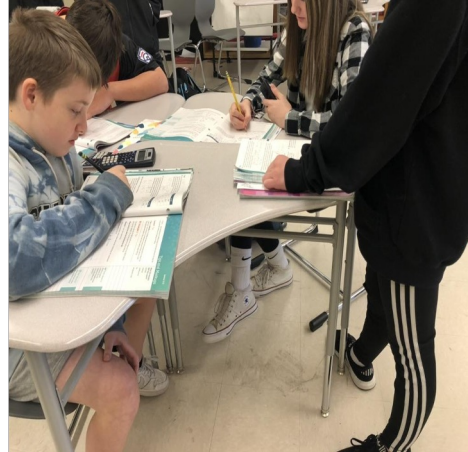
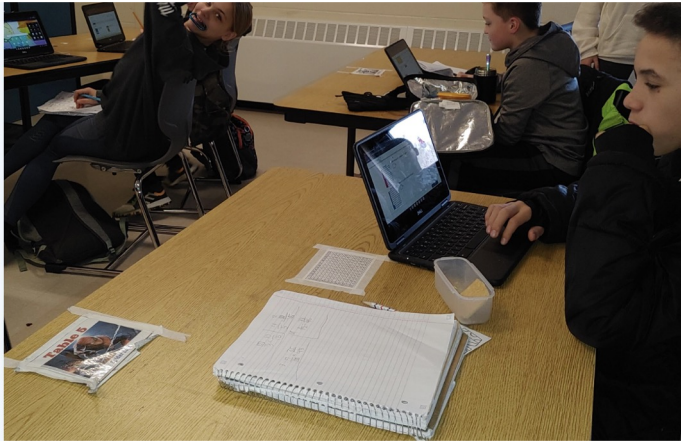
Library Time!

SMS Awesome Math Department Grades 6-8



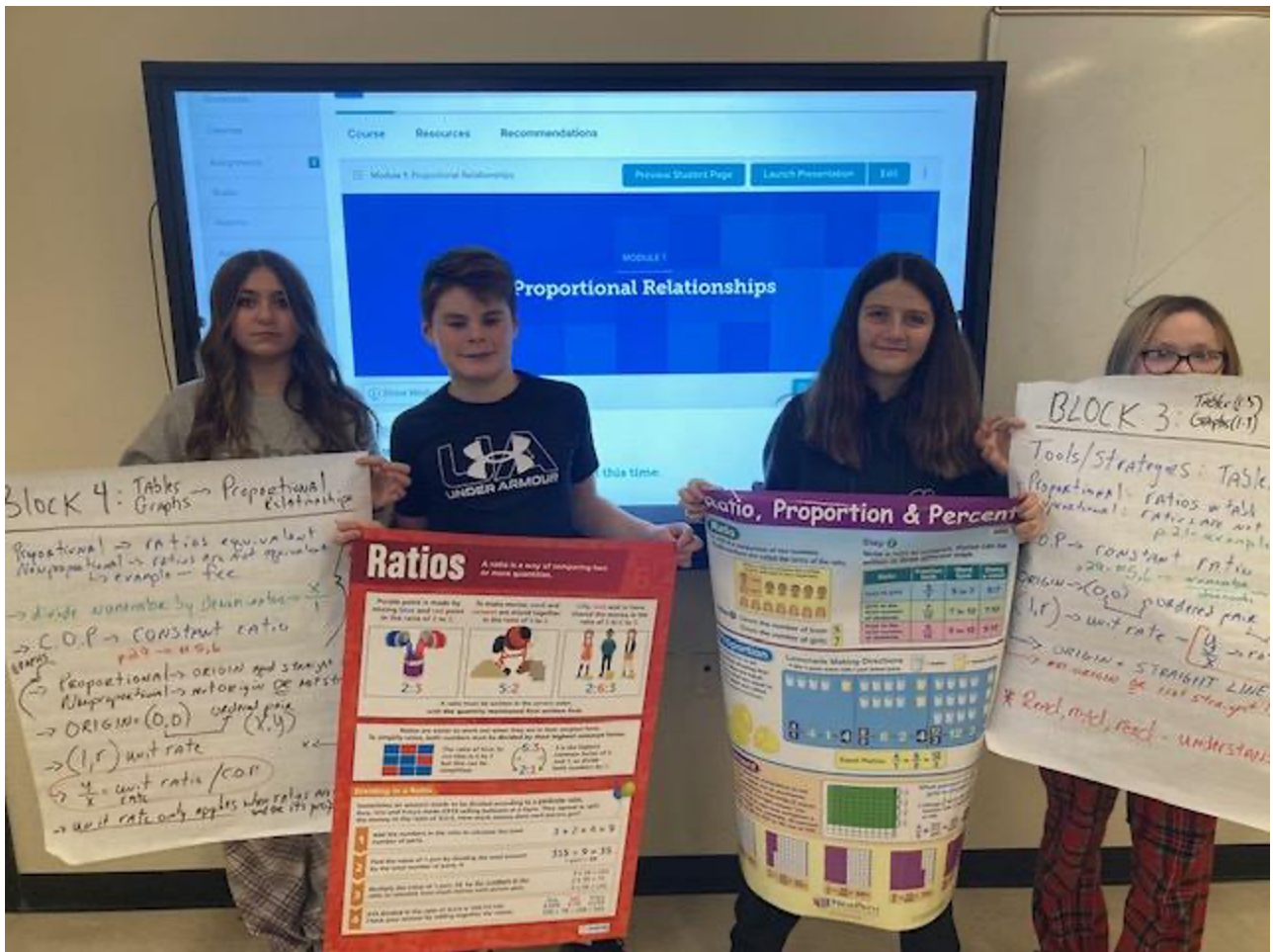
-Jo Boaler

Grade 6: We have been working on converting between decimals, fractions and percents. Students explored the topic through an online Reveal Websketch.

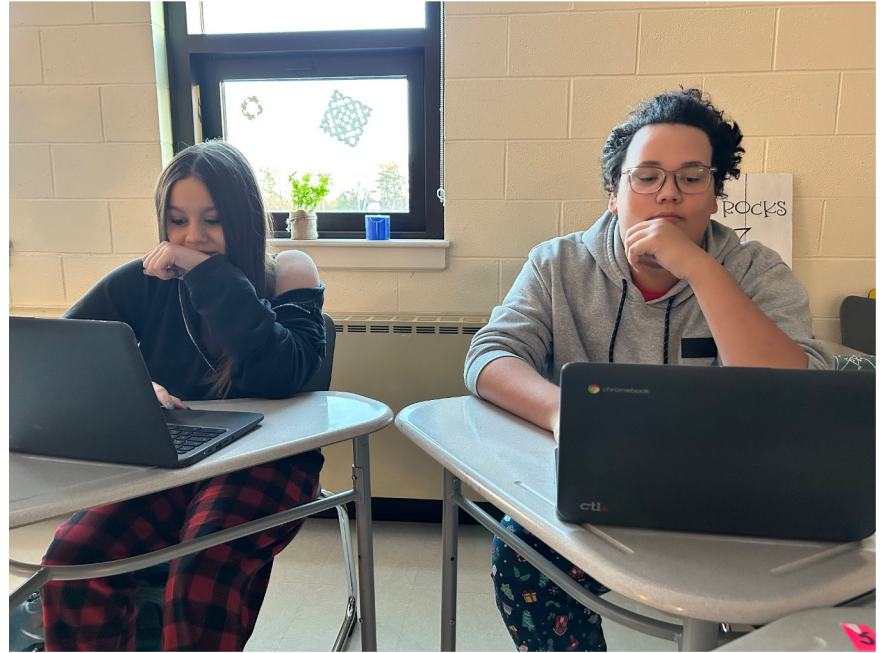
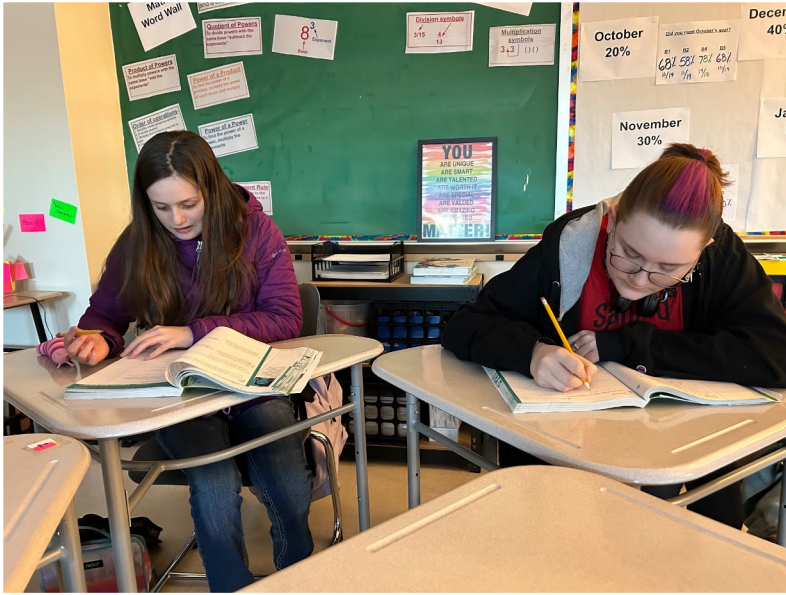


Grade 7

We have been focused on understanding proportional relationships and using different tools to analyze proportional vs non-proportional relationships. Some of the tools are tables, graphs, and equations.



Grade 8 We has just completed module 2. The focus was the number system. Students worked on identifying, calculating, estimating irrational numbers and comparing them to rational numbers. This is the second year of the program: REVEAL. Grade 8 has worked hard on ALEKS. ALEKS is an online program that is helps with remediation and enrichment.



Algebra class is working on Relations and Functions.


Geometry class is working on Two Dimensional Representations of Three Dimensional shapes.

Apply Example 5 - Solve by Multiplying

1 of 1

Solve by Multiplying

SURVEY Kenji took a survey of the sophomore class. If 96 sophomores, or two-thirds of the class, said they were going to the football game on Saturday, how many sophomores were in the survey?

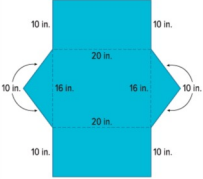


Example 3 - Use a Net to Find Surface Area

1 of 1

Use a Net to Find Surface Area

Identify the solid that is represented by the net. Then find its surface area.



Example 1 - Representations of a Relation

1 of 1

Representations of a Relation

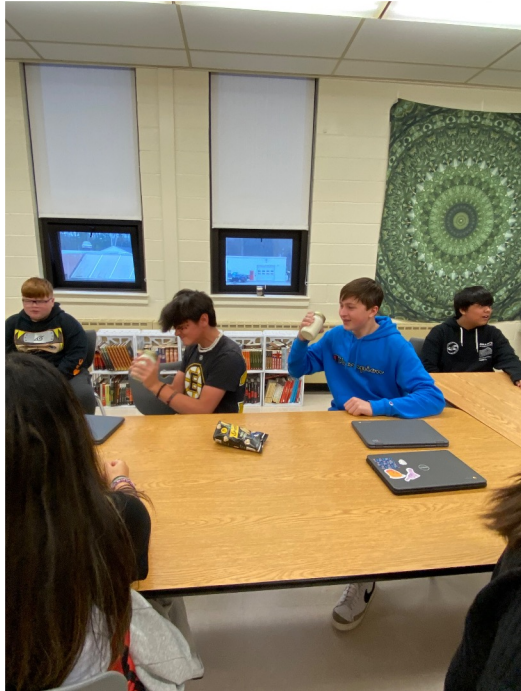
Use $\{(2, 0), (0, 4), (3, -5), (-3, -5)\}$.

Part A
Express the relation as a table, a graph, and a mapping.

- > Table
- > Graph
- > Mapping

Part B
Determine the domain and the range of the relation.
The domain of the relation is $\{-3, 0, 2, 3\}$. The range of the relation is $\{-5, 0, 4\}$.

How do you teach perseverance?



Make butter!



SMS Health and PE



Alexa R. Grade 7

Students created informative memes about vaping in health class.

Connor M. Grade 5

Grade 5 PE practicing throwing with accuracy.



Natalie H, Renee D, Nick P, & Claire D. Grade 6

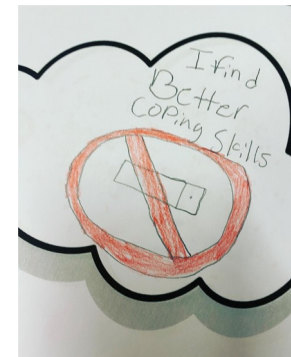
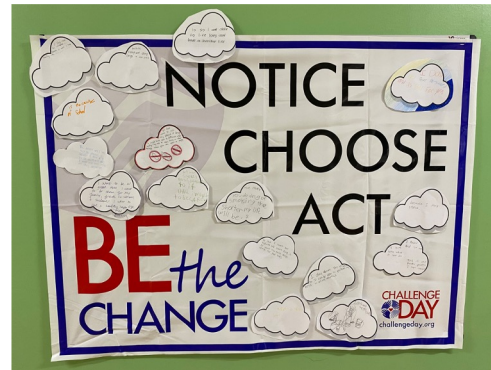


Grade 6 PE students getting a workout in the SMS fitness room!

SMS Spartan Student Support Team

School Counselors, Social Workers & Outreach Coordinator

- **Challenge Day-** 7th & 8th Grade Students participated in Challenge Day in October. Ongoing efforts to help students Be the Change are in the works! Thank you PTA!
- **Sources of Strength Club-** 30 students grades 6-8 joined this new club as Peer Leaders. Goal: connect all students to trusted adults and school, promote healthy coping skills and protective factors.



- **Signs of Suicide Prevention Lessons-** Grades 6-8 students will receive this lesson about depression warning signs and reporting suicide during December-February.
- **Vaping Prevention-** Grades 5-8 students received education about the dangers of vaping, peer pressure, and healthier activities during some panels and classroom lessons last month. Local doctors, YMCA representative, counselors, social workers, and outreach staff spoke to students.
- **Be the Change Awards-** 250 Certificates have been distributed so far this year to students doing the right thing!

Special Education at SMS



Resource Room Services

Addressing students' individualized goals using the following programs

- Seeing Stars- phonological and orthographic processing
- Read 180/System 44- reading comprehension and decoding
- Visualizing/Verbalizing- reading/listening comprehension
- Number Worlds- developing a conceptual knowledge of basic math skills

Providing instruction for Executive Functioning Skills- to address organizational skills, prioritizing, and task completion

Integrating specialized instruction into the general education setting for language arts and math

Collaborating with Related Service Providers (speech, OT, social work) to support language, motor, sensory, and social/emotional needs

S.E.A.L Program

Social - Students work on social skills and developing positive peer and adult relationships to carry over into their daily lives.

Emotional - Students focus on identifying emotions and implementing strategies for strong emotions.

Academic Learning - Students focus on hands on learning, while also utilizing academic supports through Read180 and Number Worlds.

S.E.A.L is a self-contained program for grades 5-8, where students are able work on personal behavioral goals to help them access their least restrictive environment with daily, weekly, and monthly incentives. **S.E.A.L** currently provides services for approximately 40 students.



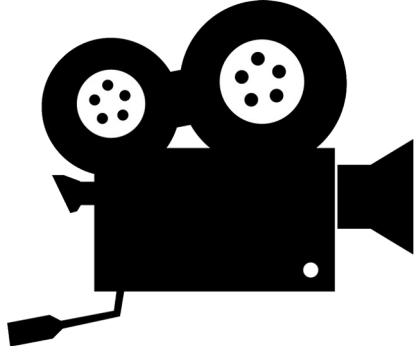
Life Skills

Life Skills is a self contained program for grades 5-8. Within our program students work on life skills such as self care, online safety, community safety, kitchen safety, cooking skills, and other topics relating to day-to-day life.

Our students are working on academic as well as functional skills that will enable them to function successfully within our school community as well as the Sanford community. Our program currently services just over 40 students.

Right now in Life Skills, we are designing zoo exhibits for the North Pole and creating a gingerbread community that is modeled after our Sanford community. Monday December 5th was "light up my life day", a holiday that originated in Ireland and has since spread to the US. To celebrate, we wrote cards to the people in our lives who are special to us. We wrote messages like " You are special to me," and " You light up my life."





SMS Library Highlight Reel

Staff:
Julie Williams
Krissy Montesano

Circulation Stats:
10,638 books
checked out this
school year

Have broken
circulation
records every
month

We average
150 check-outs
a day.

5th grade checks
out the most -
almost twice as
many as the other
grades.

7 students have
checked out more
than 60 books. One
has checked out
over 100

Collection Stats:
21,000 books (includes
book room, audio, dvd,
and professional
resources)

The average
age of our
books is 15
years.

We are
working on
weeding out
older titles.



Most checked out:
11 copies, all
checked out

**Books that
Circulate
the Most:**

Fiction: 41%
Graphic
Novels: 22%

500s (Science):
6%
900s (History):
6%