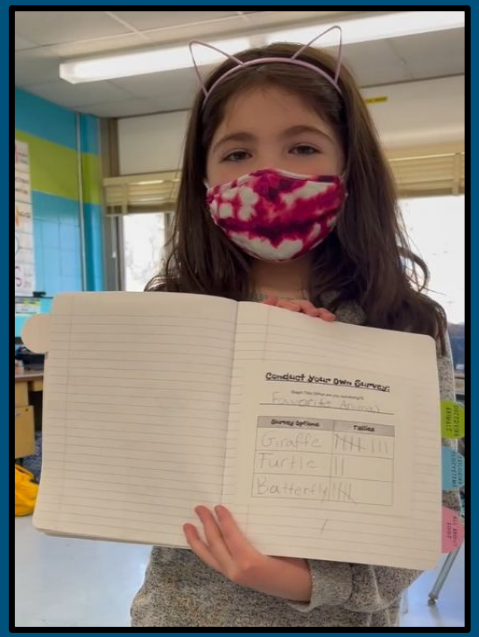
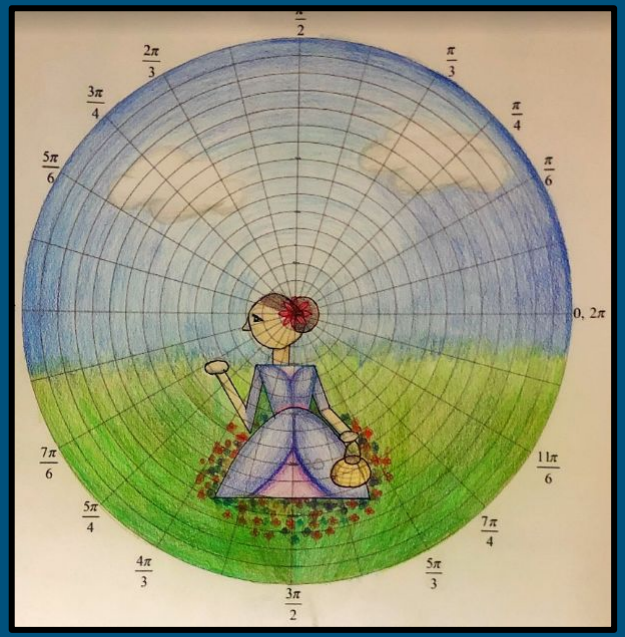
Syosset Mathematics

Adapting with agility!
March 15, 2021
John Genova, Ed.D.

Coordinator of Mathematics, K-12

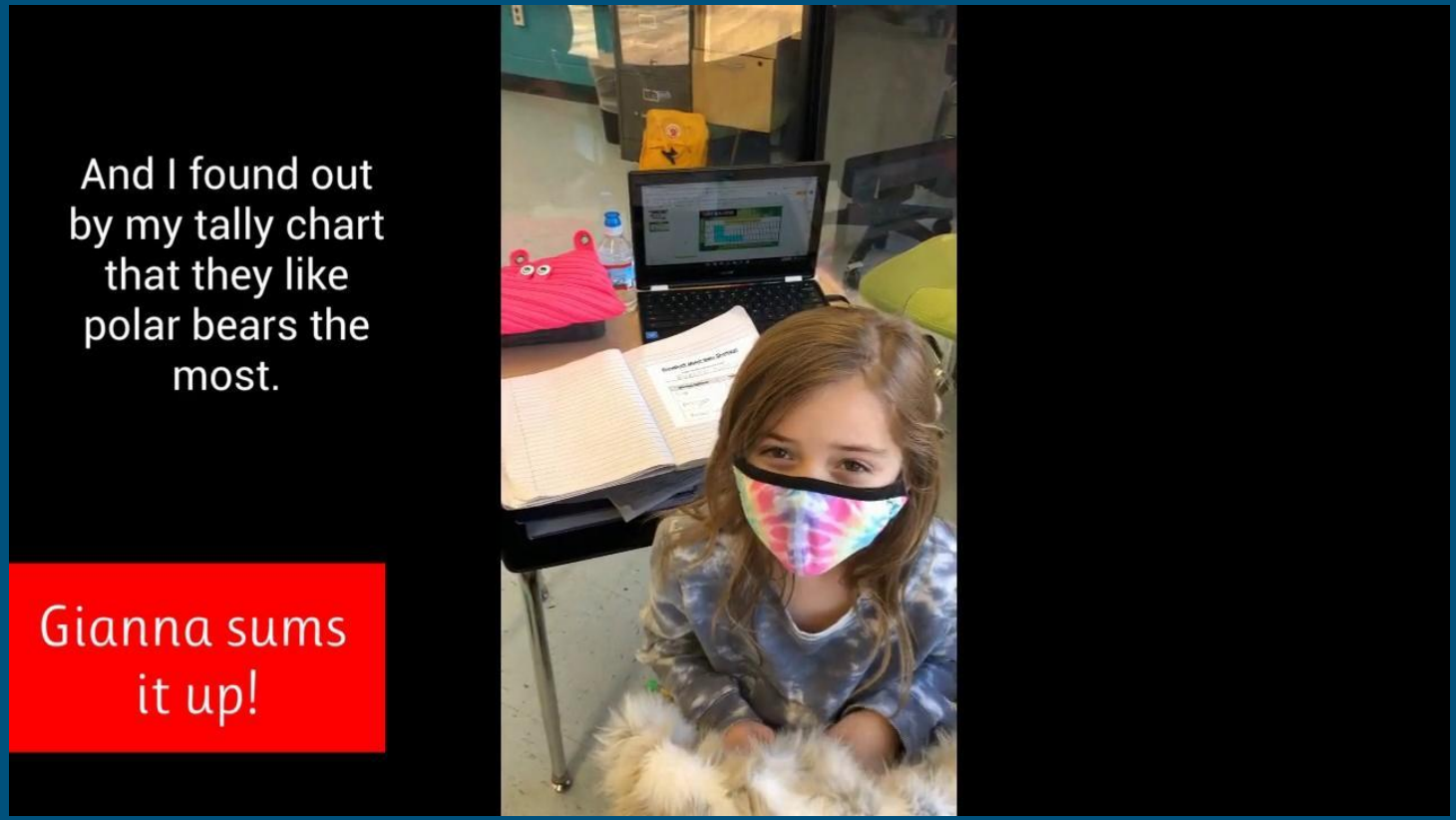
Adapting and acquiring **agility** in math!



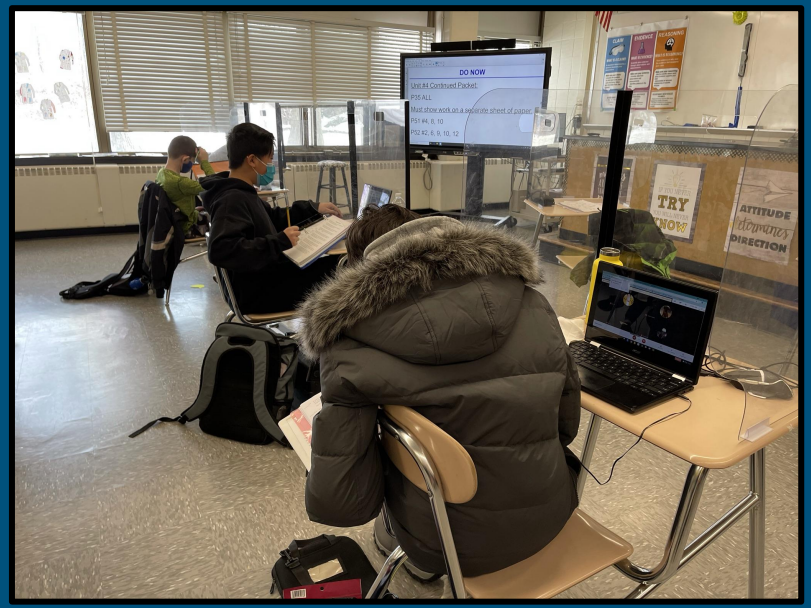


K-5 **6-8** **9-12**

Ms. Seelinger and Ms. Avazis
A.P. Willits Elementary School



Adapting our collaboration



MS students work with in-person and neighboring teammates.

HS computer science students connected by Google Meet.

Mr. Falco and Ms. Lenzi
South Woods Middle School

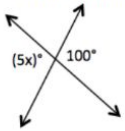
Agile assessments

Angle Relationships Error Analysis

Each of the problems below was solved incorrectly. For each problem, circle the mistake in the work/answer, explain what the mistake is, and find the correct answer.

Problem:

1. Find the value of x.



$5x + 100 = 180$
$-100 \quad -100$
$\frac{5x}{5} = \frac{80}{5}$
$x = 16$

Error Analysis:
What mistake was made? Write your explanation in complete sentences using relevant geometry vocabulary terms.

Vertical angles are congruent, not supplementary.

Correct Work:
Solve the problem above correctly.

5x=100,
So x=20

Students analyze and correct common misconceptions.

	Due Date	Assignment Title		Grade	Complete
⊖	May 08, 07:00 pm	Unit 8A/B: Logs Quiz 3		100%	100%
	Logarithmic Form		2/2	✔ ✔	
	Convert Log Equation to Exponential		2/2	✖ 🎞 ✖ ✔ ✔	
	Log Equations (1st Degree)		2/2	🎞 ✔ ✖ ✔ ✔	
	Solving Natural Log Equations		2/2	✔ ✔	
	Exponential Functions - Basic		3/3	✔ ✔ ✔ 🎞	
	🎞 Exponential Functions - Basic		100%	Solved in 2.6 minutes	
	Exponential Functions - Basic (Solving)		1/1	✖ ✔ 🎞	
	🎞 Exponential Functions - Basic (Solving)		100%		

reset assignment

Programs that provide each student unique assignments addressing common concepts.

Agile assessments

A Design three pages for a textbook using Google Docs. Each page should introduce one method for solving systems of equations. Suggestions include having definitions, a few worked out examples, etc. Your pages should be neat, appealing and accurate.	B Create a Presentation on Slides, Prezi, etc. to introduce all three methods for solving systems of equations. Your presentation should include at least 5 slides, be neat, appealing and accurate.	C Create a rap, rhyme, poem or song to help remember the steps to solving systems of equations.
D Write a 12 question quiz on Google Forms on solving systems of equations. Include 4 questions for each method. Your quiz must include an accurate answer key.	E Create a poster that details the methods for solving systems of equations. Your poster should be neat, appealing and accurate.	F Complete the Delta Math Assignment created by your teacher.
G Complete the Google Form Quiz created by your teacher.	H Create a System of Equations "How to" Video on FlipGrid. Make sure to define and explain in full detail how to solve a system of equations using each method.	I Create a Study Guide for this topic.

Choice board with differentiated math tasks.

Equation of Parallel Line to a Point Task

Congratulations, you have been hired to grade the NYS Regents Exam for Question #25! The question is graded on a scale of 0-2 as shown in the rubric below. These students' grades are in your hands so make sure you look through the work carefully.

a) Give the student a grade of 0, 1 or 2.
b) Explain WHY you think each student earned the grade that you gave them.

For each question, use the specific criteria to award a maximum of 2 credits. Unless otherwise specified, mathematically correct alternative solutions should be awarded appropriate credit.

(25) **[2]** $y = \frac{2}{3}x + 4\frac{2}{3}$ or an equivalent equation is written, and correct work is shown.

[1] Appropriate work is shown, but one computational error is made.

or

[1] Appropriate work is shown, but one conceptual error is made.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

Students evaluate sample work.

Agile math supplements

IXL

Elementary math supplements for all students.

New presentation technology in classrooms.

CODE CONQUES

Interdistrict Competitive Hackathon Leagues

MAA AMC

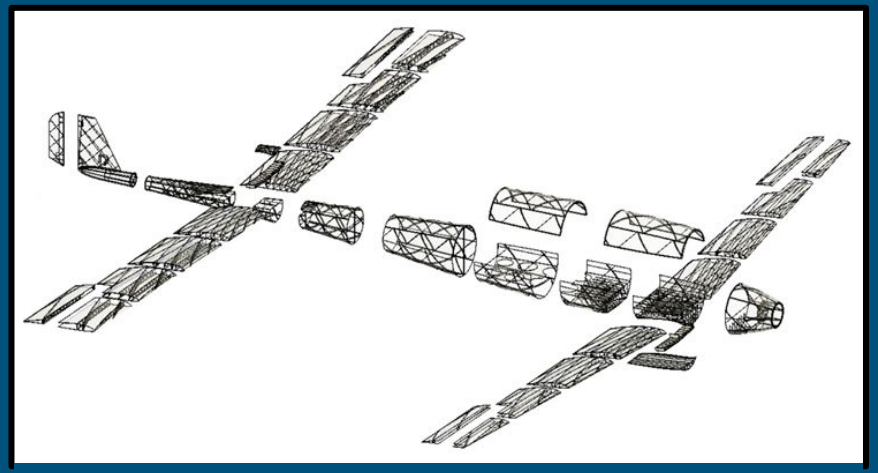
American Mathematics Competitions

Students play and compete with math digitally!

Agile math supports

We've expanded our integrated co-taught program, and adapted supports like extra help and Math Assist by connecting to students virtually and in-person!

Adapting admirably



Virtual student math research that merges with physics.

Adapting with agility!