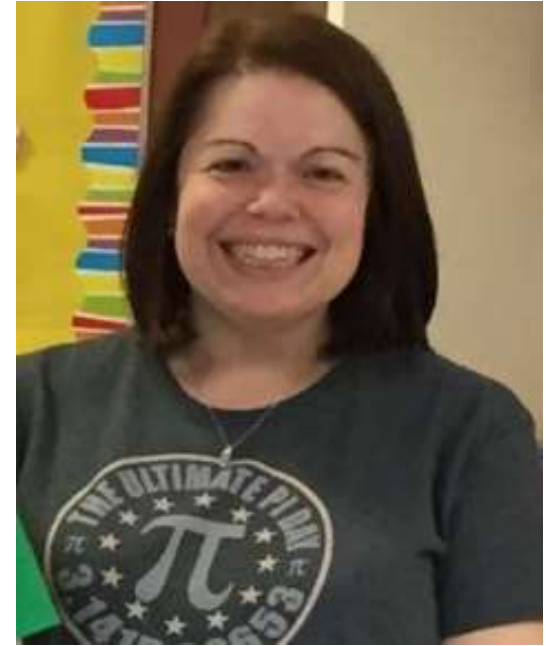


TOHICKON MIDDLE SCHOOL MATH DEPARTMENT

- **Agenda:**
 - Meet our teachers!
 - Course Sequences
 - Algebra 1 Keystone Exam
 - Intervention and Enrichment
 - What does a typical lesson look like in math?
 - Technology in the Math Classroom
 - Pi Day
- Department Coordinator:
 - Mrs. Andrea Bellavance





7TH GRADE TEACHERS

- Mrs. Campbell, Mrs. Kennedy, & Ms. Jones





8TH GRADE TEACHERS

- Mr. Bartosiewicz, Mrs. Bellavance, & Mrs. Rissing



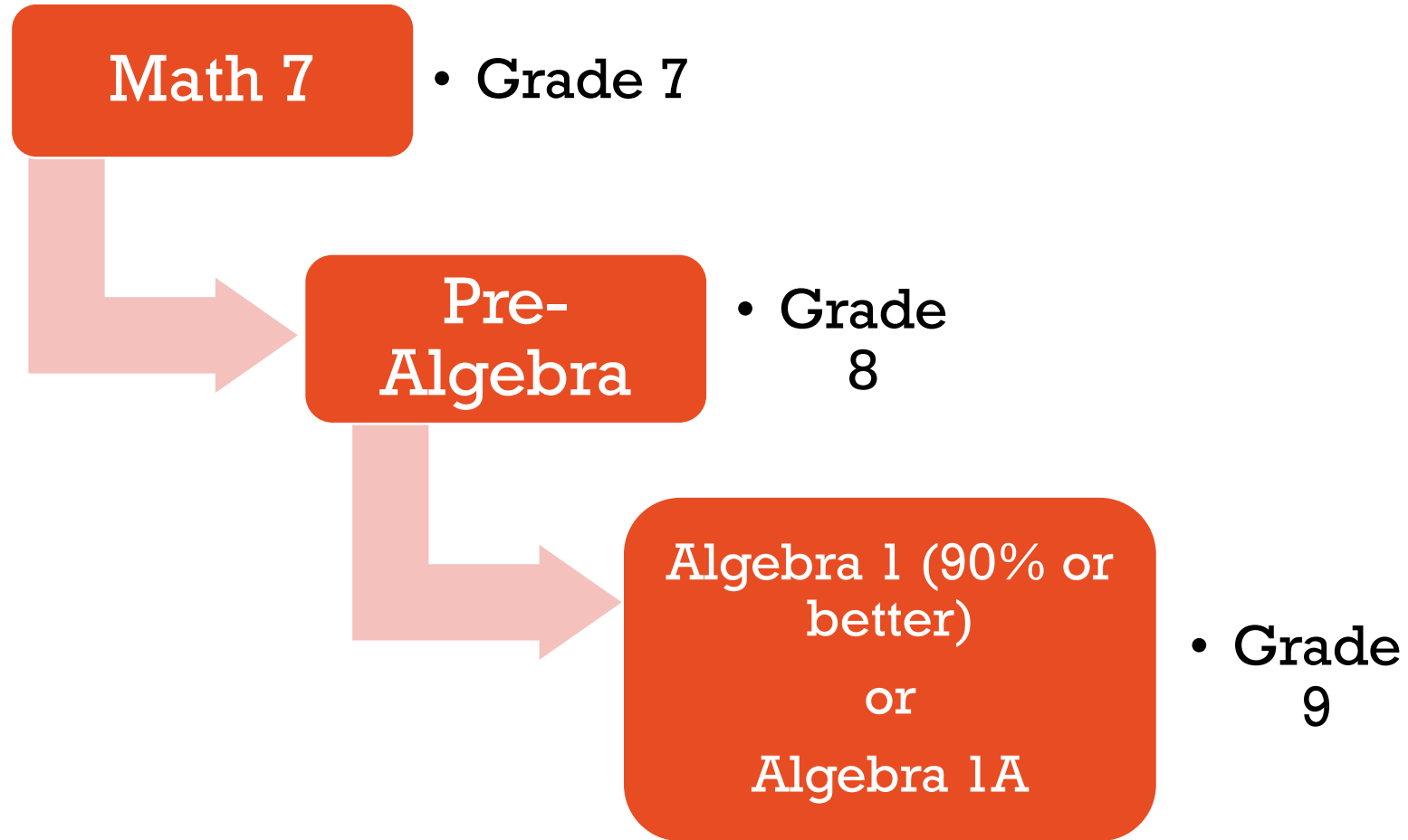


9TH GRADE TEACHERS

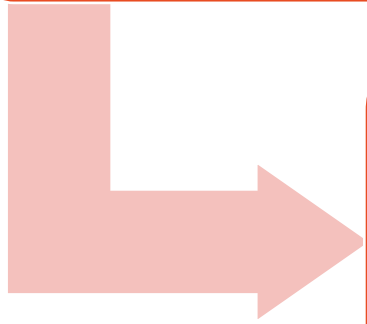
- **Mr. Ellmaker, Ms. Fuller, & Mrs. Landis-Saylor**



COURSE SEQUENCES



Pre-Algebra • Grade 7



Algebra 1 (90% or
better)
or
Algebra 1A



• Grade 8

Geometry/Trig • Grade 9



Algebra 1B • Grade 9



Algebra 1A

• Grade 7

Algebra 1B

• Grade 8

Geometry/Trig

• Grade 9



Algebra 1

• Grade 7

*****Students must have a final grade of 80% or better to move to the next course in the sequence.*****

Geometry/Trig

• Grade 8

Honors Algebra
2/Trig

• Grade 9



ALGEBRA 1 KEYSTONE EXAM

What is the Algebra 1 Keystone Exam?

The Algebra 1 Keystone Exam is a state developed end-of-course standardized test designed to evaluate proficiency in the academic content studied in Algebra 1.

Who will participate in the Algebra 1 Keystone Exam?

All students who complete a study of the eligible content assessed on the Algebra I Keystone Exam this school year. In Central Bucks School District this includes students completing Algebra 1B or Algebra 1.



ALGEBRA 1 KEYSTONE EXAM

| Who | Dates |
|---|--|
| All middle school students taking Algebra 1 or Algebra 1B during the 2021–2022 school year. | May 16 th – 27 th , 2022 |



ALGEBRA 1 KEYSTONE EXAM

How will the Keystone Exam be counted?

- Students taking the Algebra 1 Keystone Exam before 11th grade will have their score “banked” and counted as their score when they are in 11th grade.
- The Algebra 1 Keystone Exam counts as the mathematics portion of the district’s state accountability exam.
- All students in Pennsylvania are Proficient or Advanced score on the Algebra 1 Keystone Exam is a Pennsylvania State graduation requirement for all students starting with the graduating class of 2023 (our current CB Junior class).
- Students may retake the exam if they are not at least proficient.



INTERVENTION

- The math department provides small group intervention twice a month during our I and E Period.
- Teachers will give passes to selected students who are in need of extra help, practice, and/or reteaching of concepts that they are struggling with in class.
- Students are encouraged to advocate for themselves and ask to come in for I and E if they feel they are in need of intervention.



ENRICHMENT

- Math enrichment will be offered once or twice a month to all students.
- Students will be able to sign up for the enrichment through the Sign Up Genius link provided to students on Mondays during Advisory.
- Enrichment includes problem solving activities from the National Math Club and the Mathcounts competition.
- Students are encouraged to reach out to their math teacher if they are interested in enrichment opportunities.



TYPICAL DAILY MATH LESSON

- Warm Up Problem – Students complete this as a review of learning in a previous lesson
- Teacher will review any homework from the previous class
- Teacher will present new instruction and do guided practice with the students
- Students will engage in independent or small group practice
- Lesson closure provided by the teacher (could include a checkout ticket or other formative assessment)

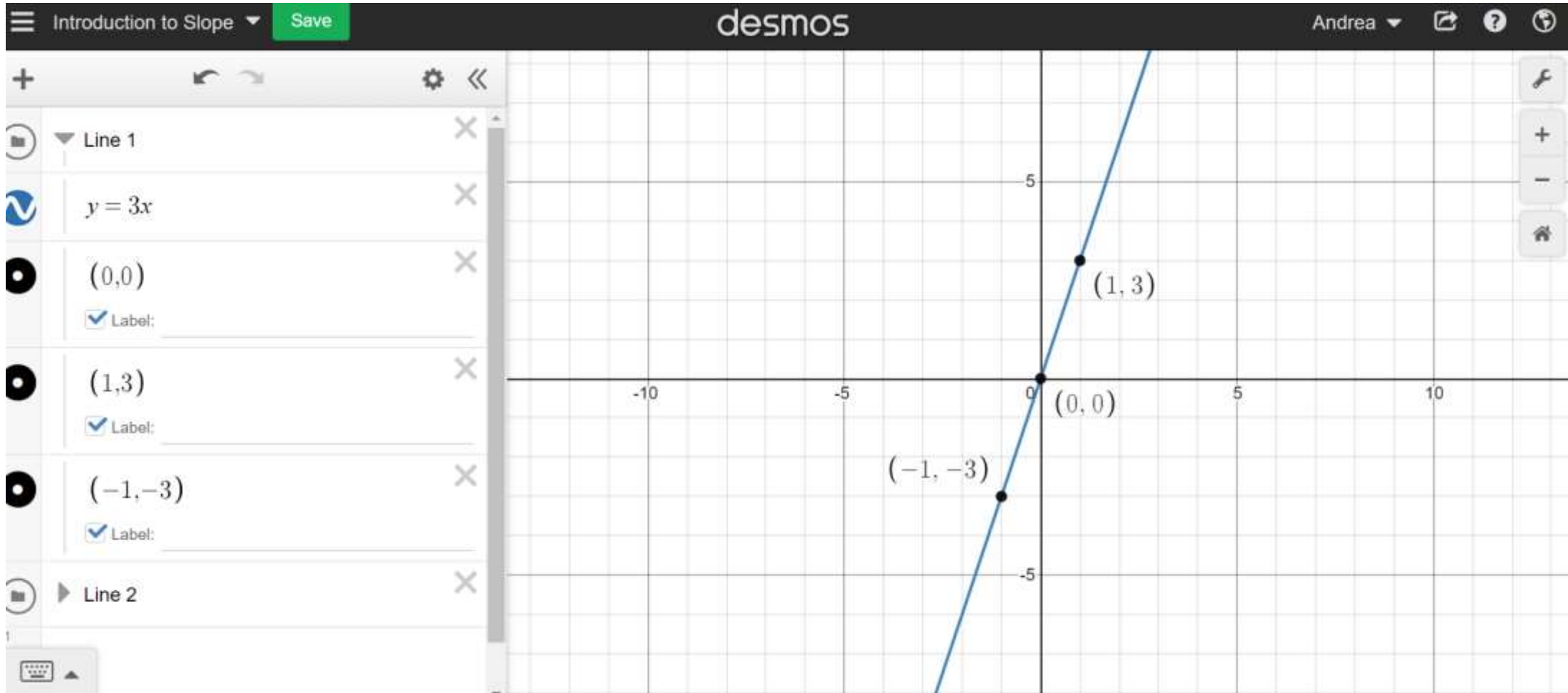


TECHNOLOGY IN THE MATH CLASSROOM

- Canvas – Teachers post daily assignments on the Canvas calendar and/or in the Canvas Modules
- Student Notebook
 - OneNote – Digital Notebook
 - Binder for worksheets or Notebook for taking notes
- Formative Assessment (Practice)
 - Canvas Quizzes, in class activities and assignments on paper, daily homework assignments
 - Online Activities: Pear Deck, Kahoot, Quizizz, Gimkit, Blooket, Quizlet, Desmos (Online Graphing Calculator)



DESMOS GRAPHING CALCULATOR



PEAR DECK

3

Solve: $x - 15 = -24$

4

Solve: $-10 + x = 3$

5

Solve: $8x = -40$

Sort by: Time ▼

BA ZK

Class Roster 0/28

| | | | |
|---|--|--|---|
| <div>Solve: $8x = -40$</div> <div>$x = -5$</div> <div> <div>😊</div> <div>...</div> <div>☆</div> <div>💬</div> <div>⋮</div> </div> | <div>Solve: $8x = -40$</div> <div>$\begin{array}{r} 40 \overline{) 40} \\ \underline{40} \\ 0 \end{array}$</div> <div> <div>😊</div> <div>...</div> <div>☆</div> <div>💬</div> <div>⋮</div> </div> | <div>Solve: $8x = -40$</div> <div>$\begin{array}{r} 8 \overline{) -40} \\ \underline{-40} \\ 0 \end{array}$</div> <div> <div>😊</div> <div>...</div> <div>☆</div> <div>💬</div> <div>⋮</div> </div> | <div>Solve: $8x = -40$</div> <div>$\begin{array}{r} x \overline{) -40} \\ \underline{-40} \\ 0 \end{array}$</div> <div> <div>😊</div> <div>...</div> <div>☆</div> <div>💬</div> <div>⋮</div> </div> |
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PEAR DECK

Solve: $8x = -40$

$8x = \frac{-40}{8}$

$x = -5$

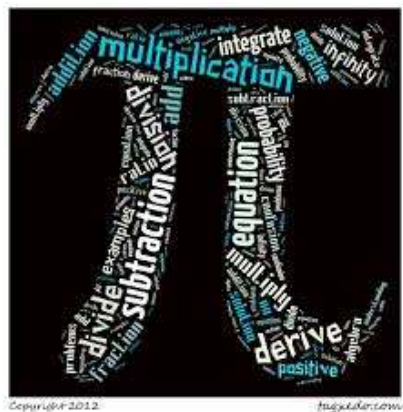
27 of 28 Responses Presenting

Hide Responses Lock Screens New Prompt



PI-DAY FUNDRAISER

- Students order Tastykake pies in math class.
- They eat them in class on Pi-Day (March 14th) while doing Pi activities.
- Proceeds benefit the Ronald McDonald House Charity.
- In 2020, Tohickon donated \$1,400 to RMHC during the pandemic. RMHC recognized our generous donation by spotlighting Tohickon Middle School on their online cooking show.
- On 9/19/20, Tohickon was a Guest Chef-level sponsor for the “Served with Love with Chef Jared” online cooking show produced by one of the chefs at RMH.



QUESTIONS?

