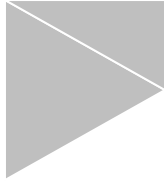




7th Grade Math Placement & Math Pathways

Math Program Manager
slemke@fremont.k12.ca.us



Outcomes

- Understand what is required of students in the accelerated program
- Review math placement test logistics
- Understand the secondary math pathways

Fluency and Conceptual Understanding

Fluency: The ability to apply procedures accurately, efficiently and flexibly

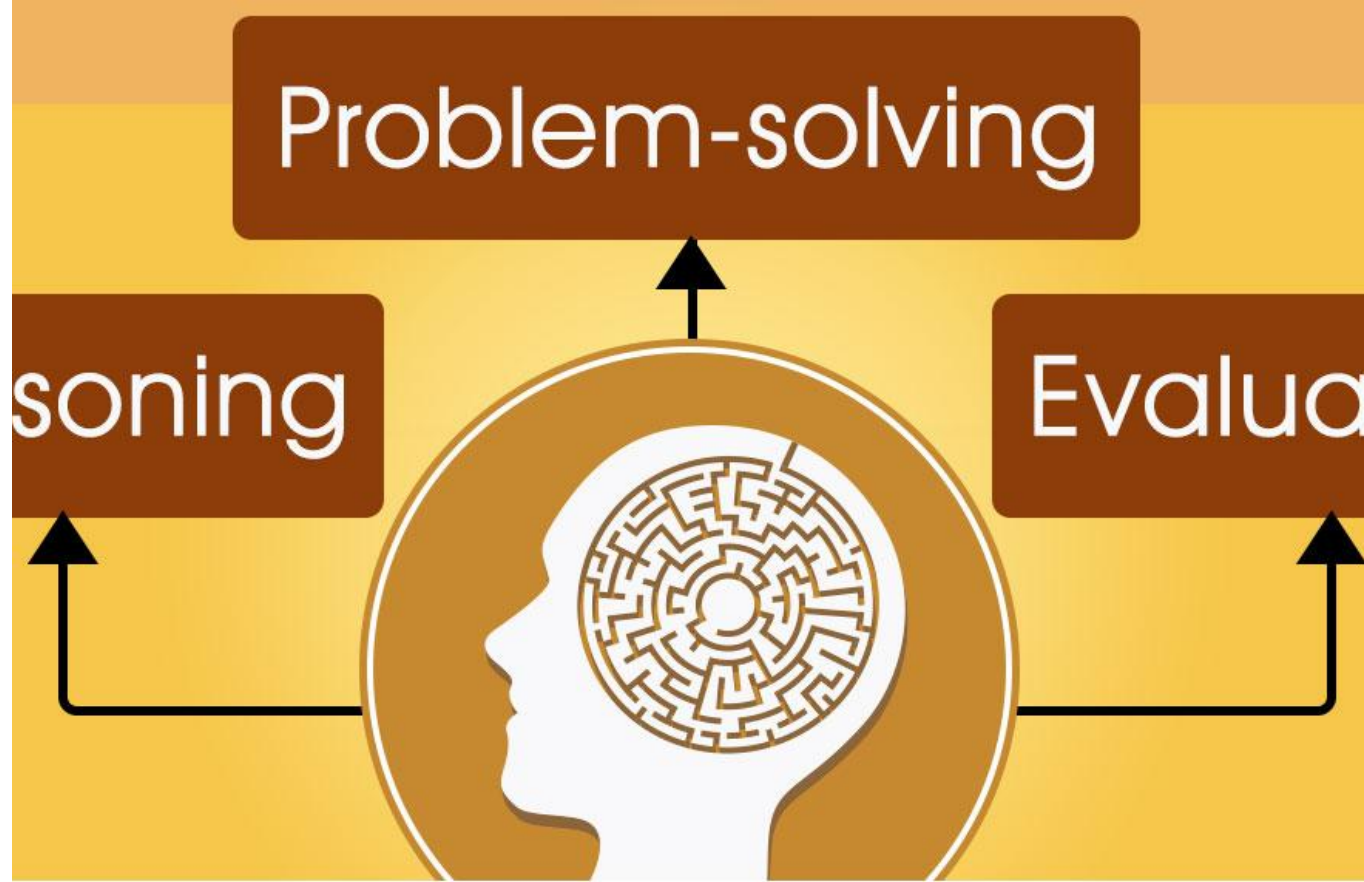
Conceptual Understanding: Understand the meaning of these operations and be able to re-apply concepts in novel situations

Math standards now require both fluency and conceptual understanding. True fluency requires conceptual understanding.



Conceptual Understanding

Learners who understand conceptually are better prepared to describe the reasonableness of an answer and can identify errors



CRITICAL THINKING

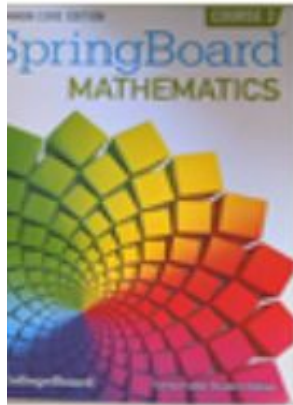
Purpose of Placement:

Place students where they are challenged, but not overly stressed.

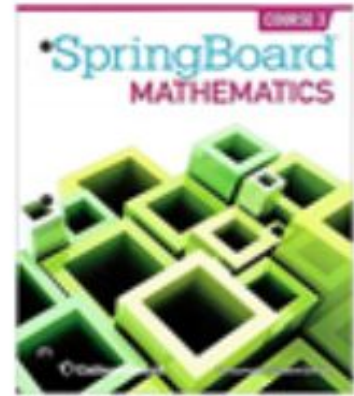


2 YEARS OF SCHOOL

Grade Level Math Classes



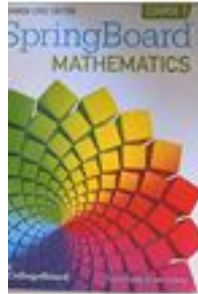
7th



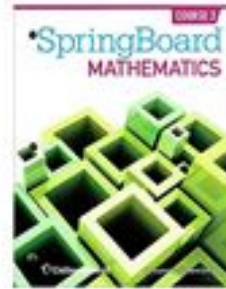
8th

Accelerated Math Classes

3 YEARS OF MATH



7th



8th

2 SCHOOL YEARS



Testing Logistics & Placement Criteria

Testing Logistics

APRIL 2019						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Download & Print Free Calendar From www.calendar.com



- April 8th - April 17th
- Two Parts: One hour time limit for each part
- Administered On Computer
- All students take this assessment unless parents opt student out

Contact your school site for specific dates

Test Details

- Covers Standards addressed in Units 1 through 4 of Springboard: **6.RP, 6.NS, 6.EE**
 - Test addresses **application** of the standards
- 20 Questions Each (computer based)
 - Part 1: Traditional multiple choice
 - Part 2: Non-traditional multiple choice with multiple answers possible

Non-Traditional Multiple Choice

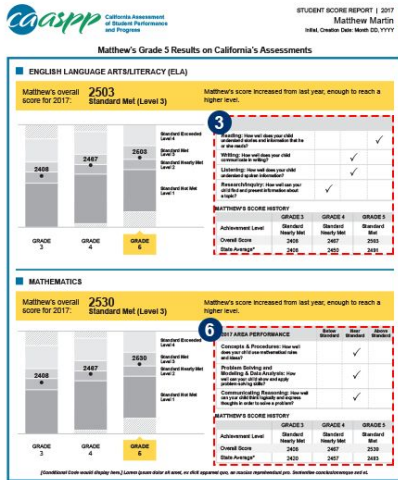
Consider the inequality $x > -1.5$.

Determine whether each value of x makes this inequality true. Select Yes or No for each value.

	Yes	No
$-2\frac{1}{2}$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Placement Criteria

- 6th Grade Placement Test, part 1
- 6th Grade Placement Test part 2
- SBAC 5th Grade Math Scores (if available)
- 6th Grade District Mid-Year Assessment (**6.NS, 6.EE**)
- SBAC 6th Grade Math Scores



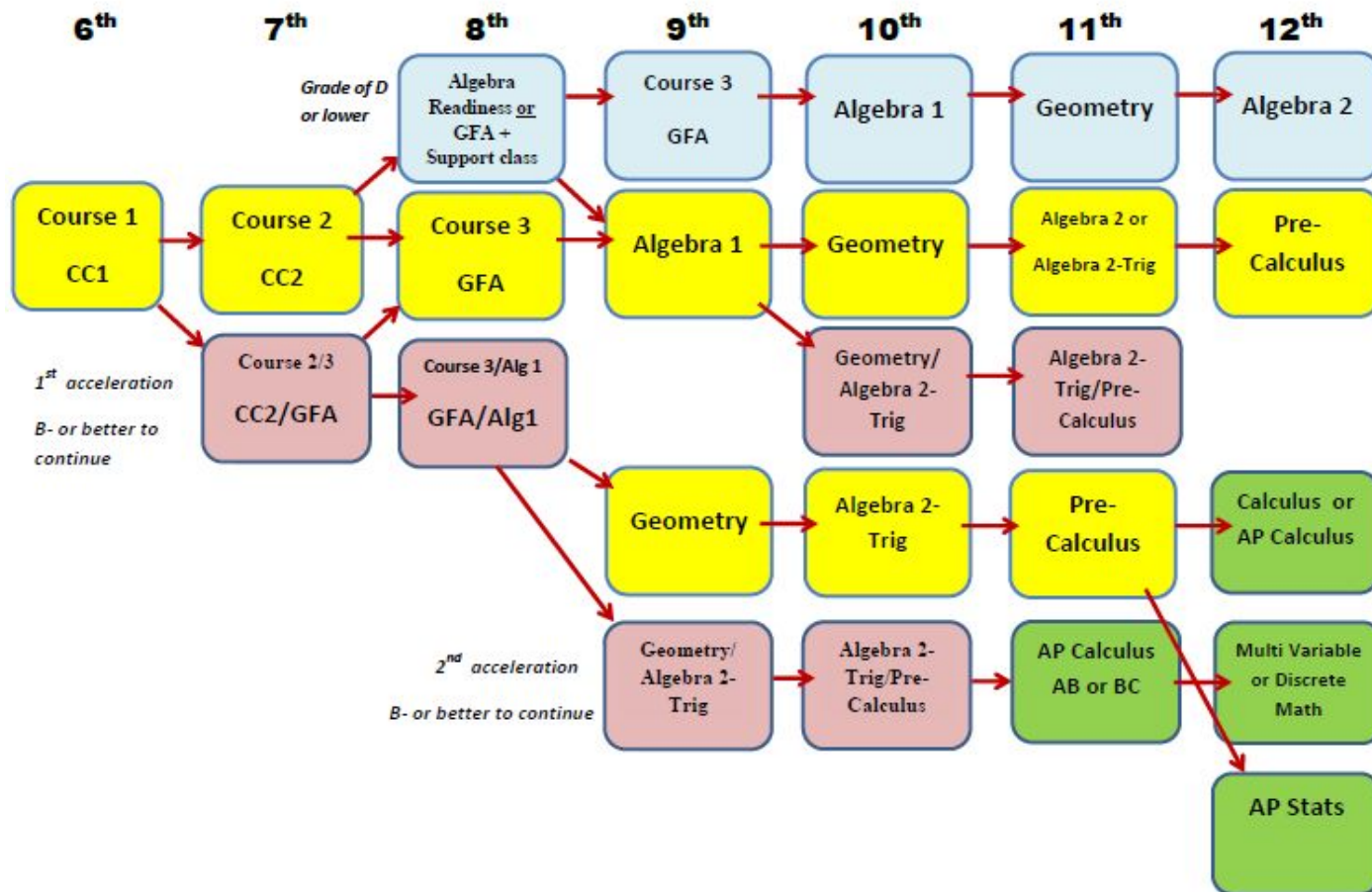
All 6th grade students will be notified of placement in June or July

If a student places into accelerated, she/he can still request grade level placement-accelerated moves very fast!

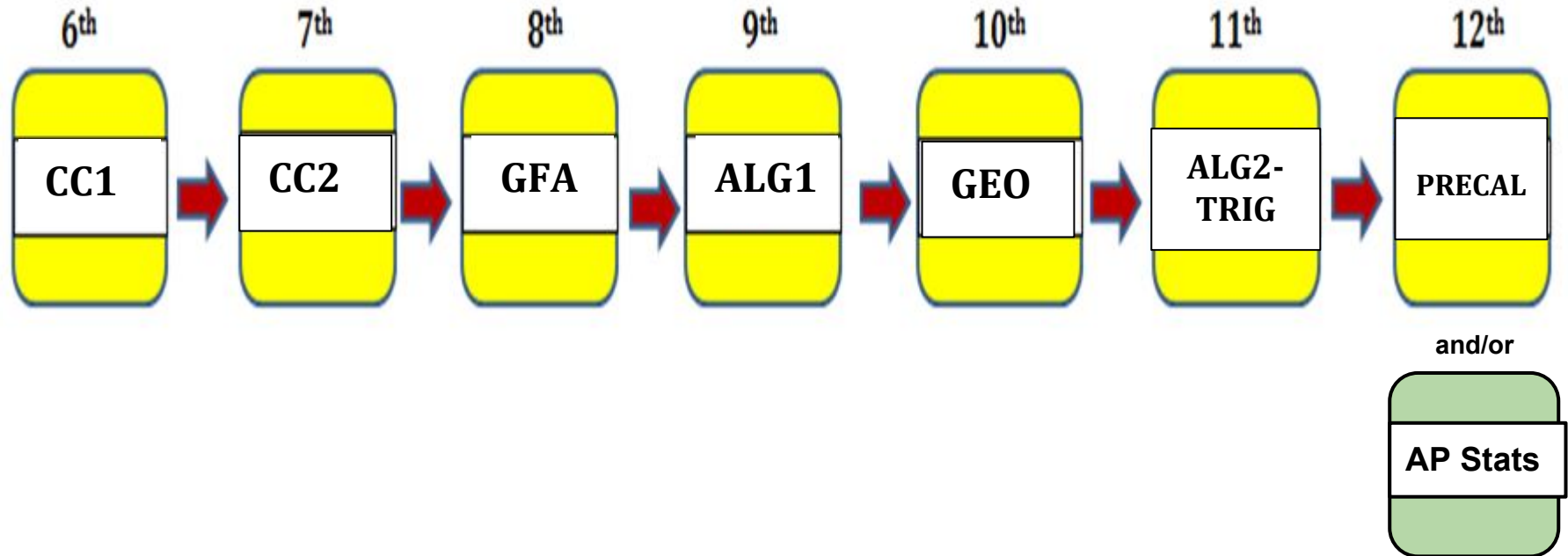
*State averages are based on California statewide scores from previous years. The state averages are updated each year, which may cause slight changes from what was displayed on previous year's reports.

To view state scores for all grades or to complete results for schools, districts, or across the state, visit the CDE CASPP Family View site at <http://www.cde.ca.gov>

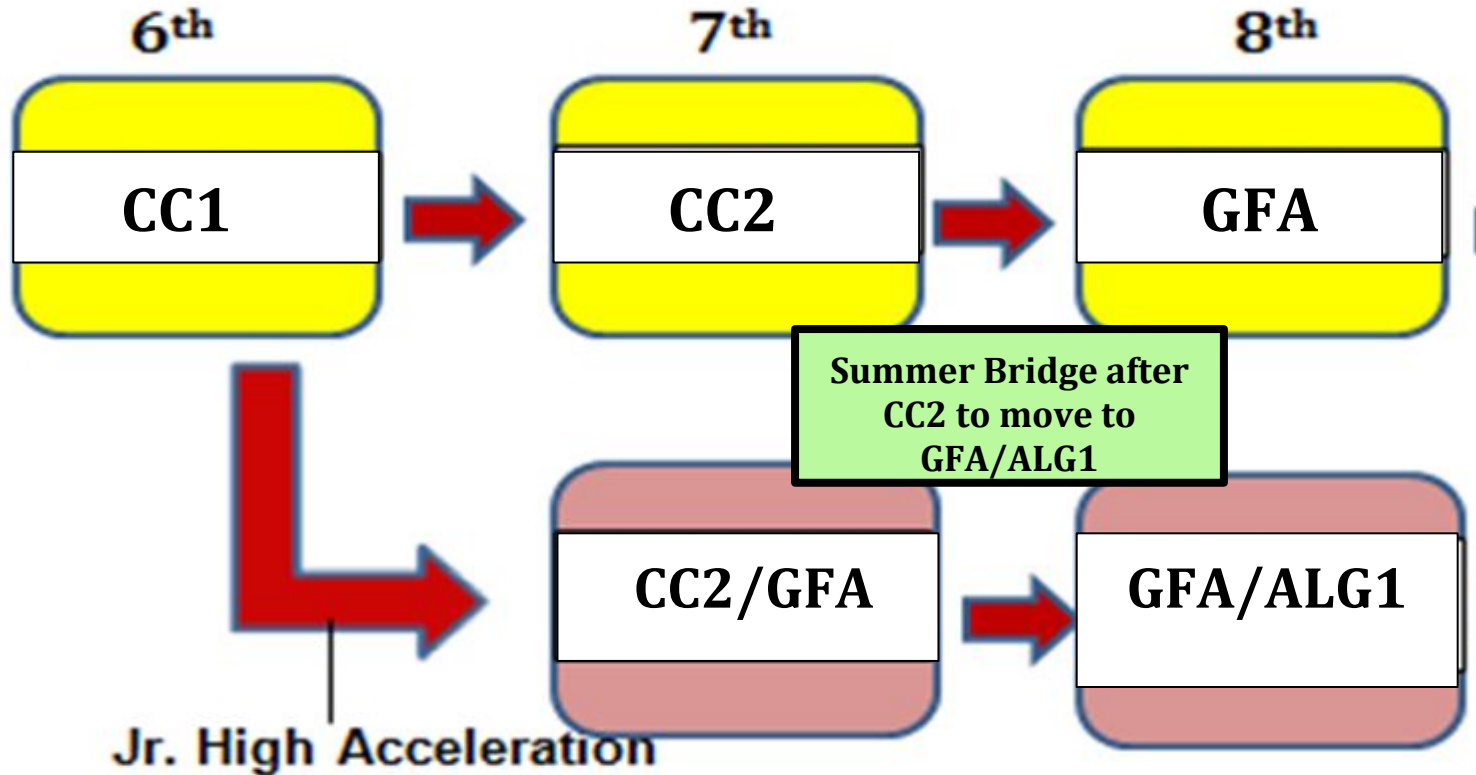
Secondary Math Pathways



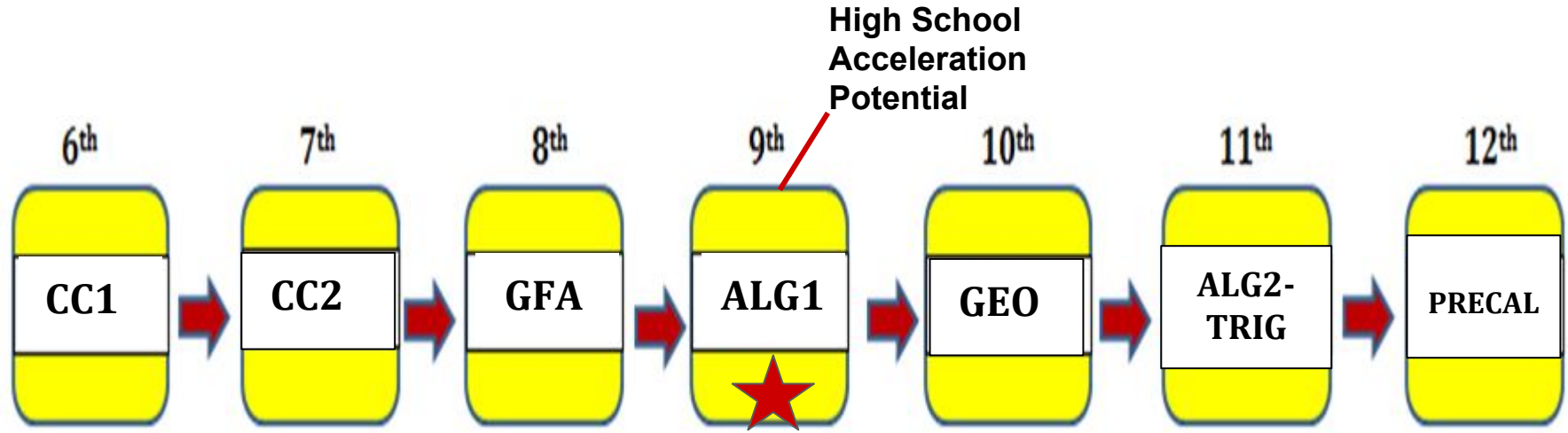
UC Qualified Pathway with No Acceleration



Junior High Options

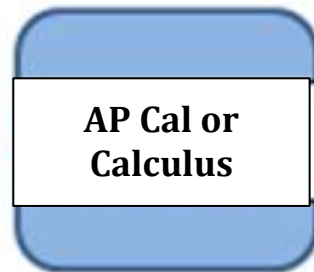
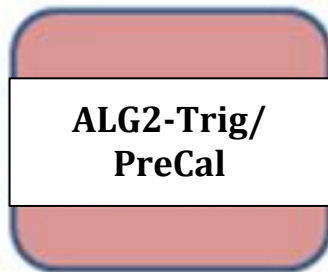
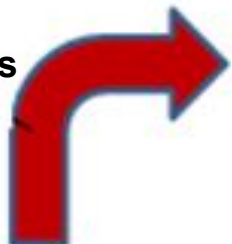


UC Qualified Pathway with No Acceleration



High school options for acceleration.

Grade of A at both semesters and 90% on district benchmarks



9th



10th



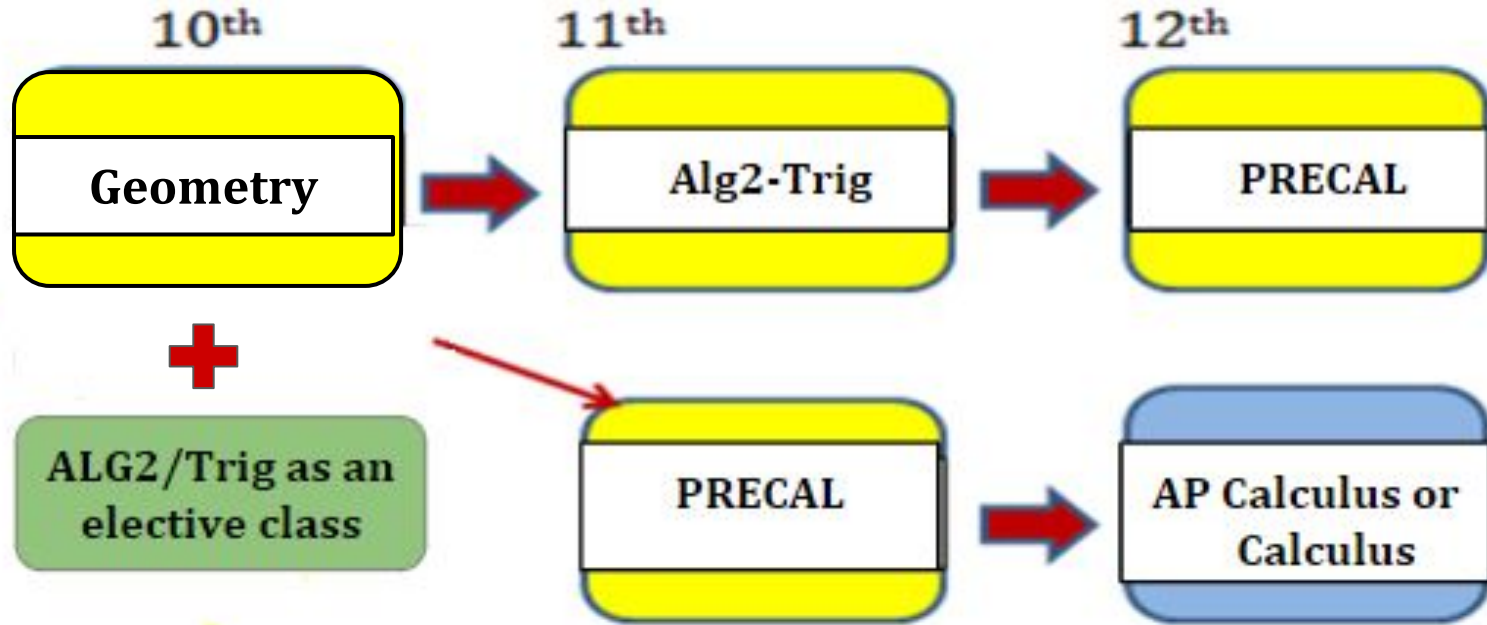
11th



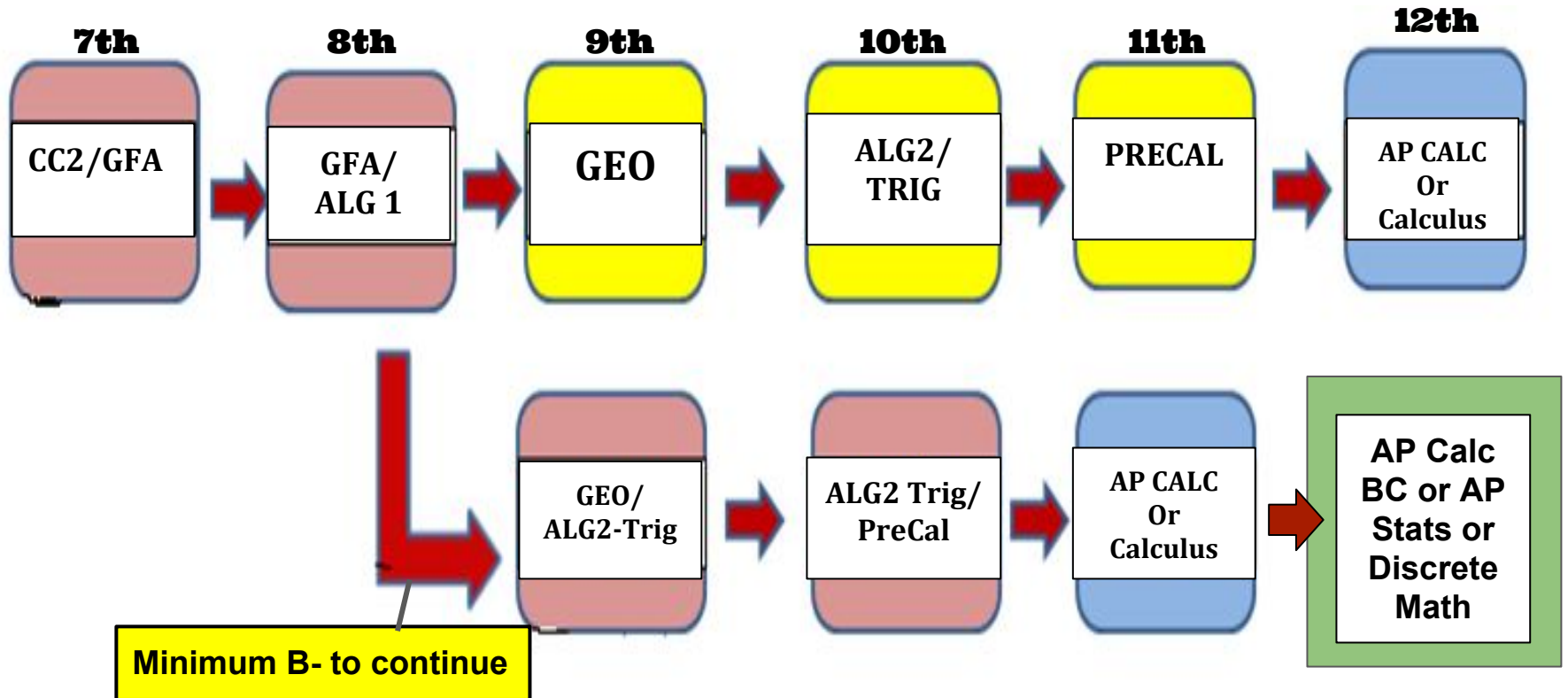
12th



Additional Path to AP Calculus



Accelerated Options



Current Statistics

School Year	Percentage of 7th graders in Accelerated
2018-19	48%
2017-18	41%
2016-17	39%
2015-16	37%

Resources

Engage NY <https://www.engageny.org/>

California Common Core Math Standards

<https://www.cde.ca.gov/be/st/ss/documents/ccssmathstandardaug2013.pdf>

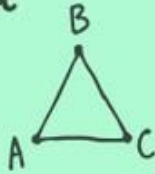
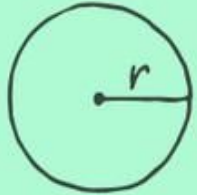
Questions?



Susan Lemke

slemke@fremont.k12.ca.us

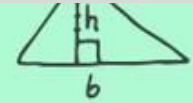
$$a^{-n} = \frac{1}{a^n}$$



$$(ab)^n = a^n b^n$$
$$a^m \times a^n = a^{m+n}$$

$$C = 2\pi r \left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$
$$A = 2\pi r^2 \left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$

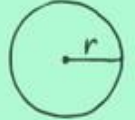
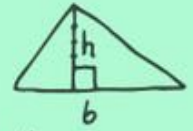
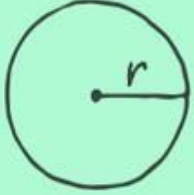
$$a^{-n} = \frac{1}{a^n}$$



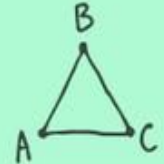
$$C = 2\pi r$$
$$A = 2\pi r^2$$

$$A = \frac{1}{2}bh$$

$$a^{-n} = \frac{1}{a^n}$$

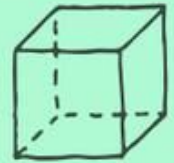


$$A = \frac{1}{2}bh$$



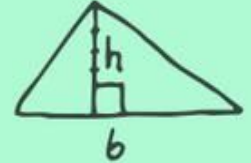
$$C = 2\pi r$$
$$A = 2\pi r^2$$

$$a^{-n} = \frac{1}{a^n}$$



$$C = 2\pi r$$
$$A = 2\pi r^2$$

$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$



$$\frac{a^m}{a^n} = a^{m-n}$$
$$a^2 - b^2 = (a+b)(a-b)$$

$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$
$$a^{-n} = \frac{1}{a^n}$$

$$A = \frac{1}{2}bh$$
$$\frac{a^m}{a^n} = a^{m-n}$$