

---

---

# PRMS Math Placement

— Information Night —

---

---

# Why do we do math placement?

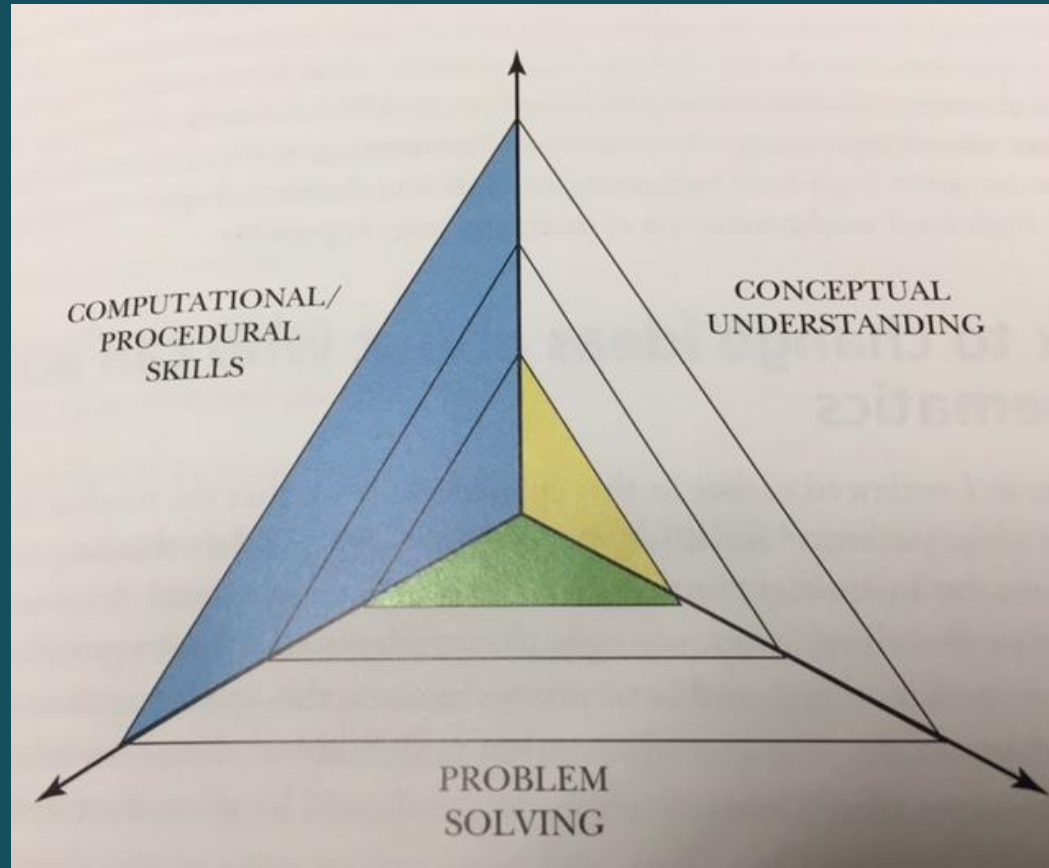
**Adolescent brains are under construction**

**Middle School Students: Wide range of rate and mastery for mathematical thinking**

**It's about Readiness**

**Building a deep conceptual understanding vs. memorizing facts and formulas**

# Balancing Different Aspects of Mathematics, from Jo Boaler's *Mathematical Mindsets*



# NJSLS Mathematical Practices

**Make sense of problems and persevere in solving them**

**Reason abstractly and quantitatively**

**Construct viable arguments and critique the reasoning of others**

**Model with mathematics**

**Use appropriate tools strategically**

**Attend to precision**

**Look for and make use of structure**

**Look for and express regularity in repeated reasoning**

# Courses offered in each grade

## Grade 6

**Math 6**  
**Math 6, accelerated**

## Grade 7

**Math 7**  
**PreAlgebra**  
**PreAlgebra,accelerated**  
**Algebra 7**

## Grade 8

**Math 8**  
**Algebra 8, Part 1**  
**Algebra 8**  
**Algebra 8,accelerated**  
**Algebra II**

# Comparison of 8th grade courses

**Algebra II**

**Algebra 8, Accelerated**

**Algebra 8**

**Algebra 8, Part 1**

**Math 8**

# Additional Requirements for Algebra 7 and Algebra 2

At the end of first marking period, students must have an 85% average on assessments to remain in the course.

At the end of second marking period, students must have an 85% average on assessments to remain in the course.

# Math Placement Rubrics

**Teacher Recommendation**

**Assessment (Tests and Quizzes) Average for the year**

**Mid-Year and Final Benchmark Average**

**Spring MAP scores**

**Higher Order Thinking Skills**

**Aptitude Test Score**

**Work Habits/Preparedness**

**Current Math Class**



# Placement Timeline

- **End of April - Teacher's preliminary recommendation emailed to parents**
- **Early/Mid July - final Math Placement emailed to parents**
- **Summer packets posted on PRMS website after final placement**

# Alternate placement requests

Students may waive into the next highest course ONLY if:

1. Teacher recommendation and rubric disagree, and
2. Student is one point away on the rubric from moving

**Historical data shows the process works!**

# Summer Advancement

**PreAlgebra and Algebra are the MOST VITAL math courses**

**Last year, 14.3% of students that enrolled in a summer class were able to advance by passing the PRMS final exam**

**Students must wait until they've completed at least 8th grade and Algebra 1 to attempt advancing by taking a summer course**

**Teacher-initiated moves**

## Common Possible Math Paths

K-5	6	7	8	9	10	11	12
Math K-5	Math 6	Math 7	Math 8	Alg 1	Alg 2	Geo	Alg 3 & Trig
			Alg 1 Part 1	Alg 1 Part 2	Alg 2	Geo	Alg 3 & Trig
		Pre-Alg	Alg 8	Alg 2	Geo	Pre-Calc	Calc H
			Alg 8 ACC	Alg 2 H	Geo H	Pre-Calc H	
				Math 6A	Pre-Alg ACC	Alg 2 H	Pre-Calc H
	Geo H	Pre-Calc H	AP Calc B/C			Multi-Var	
	Alg 7				Alg 2		Geo H

**\*\*Meeting or Exceeding Expectations on the Algebra 1 PARCC is a graduation requirement**

# Future/Transition Planning

## 8th Grade Transition Activities:

- I meet with each math class individually
- 8th Graders attend an assembly at RHS
- 8th Grade Academic Planning Night for students and parents
- Individual 8th Grade Course Selection Meetings with RHS Counselors and Parents

## College Admission Planning:

- There is an institution for every student
- Best Fit versus Best School
- Individual Approach

## College Admission Selection Factors:

- High School Courses, Grade Point Average, Upward Trend, Standardized Test Scores, Activities, Essay, Letters of Recommendation

# Final Thoughts

# Questions for the General Group