



# PMS Math Placement

Princeton Public Schools  
March 23, 2023



Welcome!



# Introductions

Kim Tew, Assistant  
Superintendent of  
Curriculum and  
Instruction

Jason Burr, Principal  
of Princeton Middle  
School

Stephenie Tidwell,  
Supervisor of 6-12  
Mathematics and  
Business Education

Sarah Moore,  
Supervisor of K-5  
Elementary  
Education

PMS Math  
Teachers:  
Dan Lee  
LaToya Waddell

# Agenda

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What is LinkIt?

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PMS Math Pathways and On-Ramps

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Special Education, 504, and ESL Considerations

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Rubrics and Placement

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Timelines and Communication

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Instructional Resources

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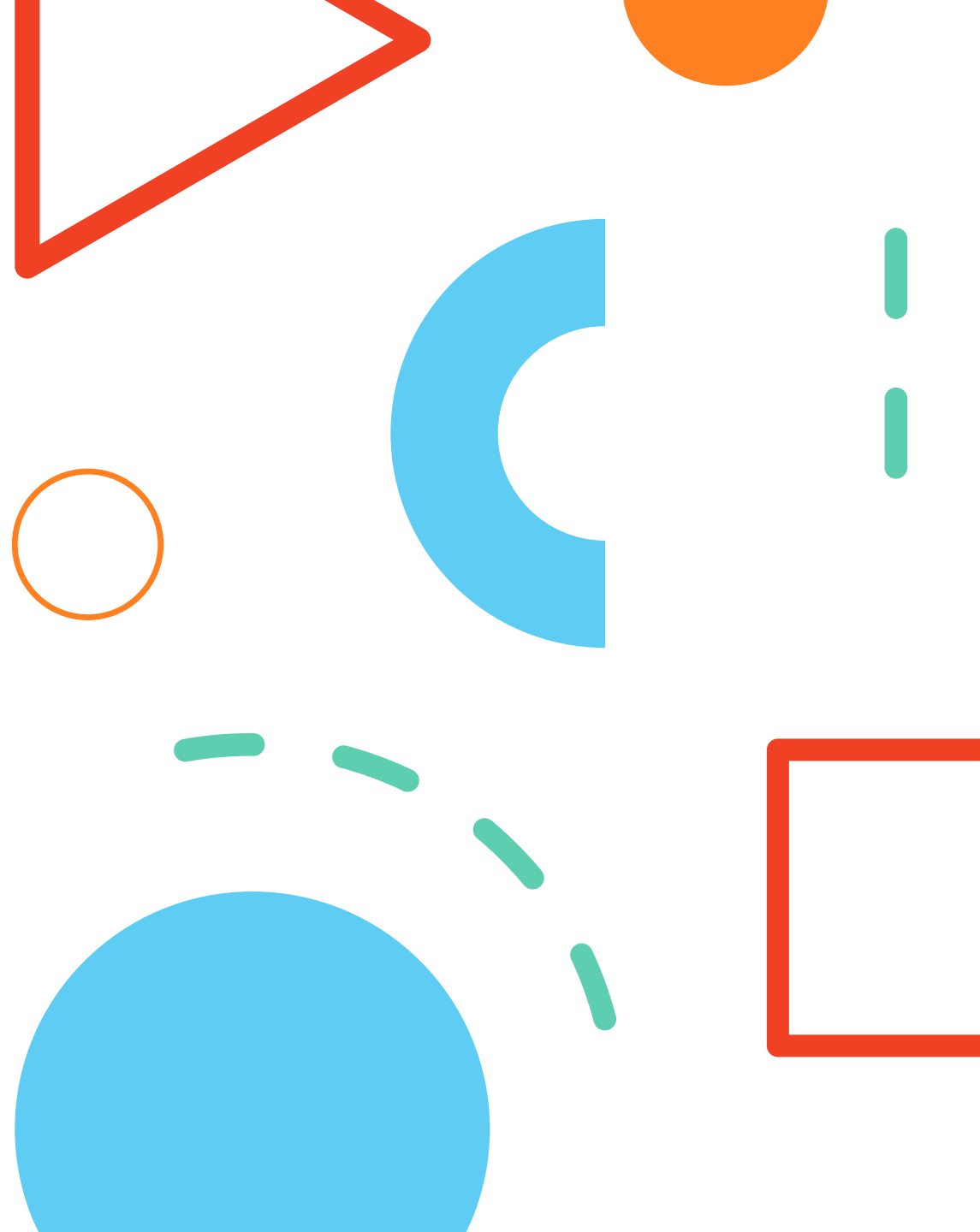
Life after PMS

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Collective Q&A

# What is Linkit?

- LinkIt is an online data drive platform. It provides assessments based on New Jersey State Learning Standards, data warehousing, navigator analytics, and an intervention manager system.
- Students who complete Linkit benchmark assessments three times per year are measured on mastery for end of the year grade level standards.





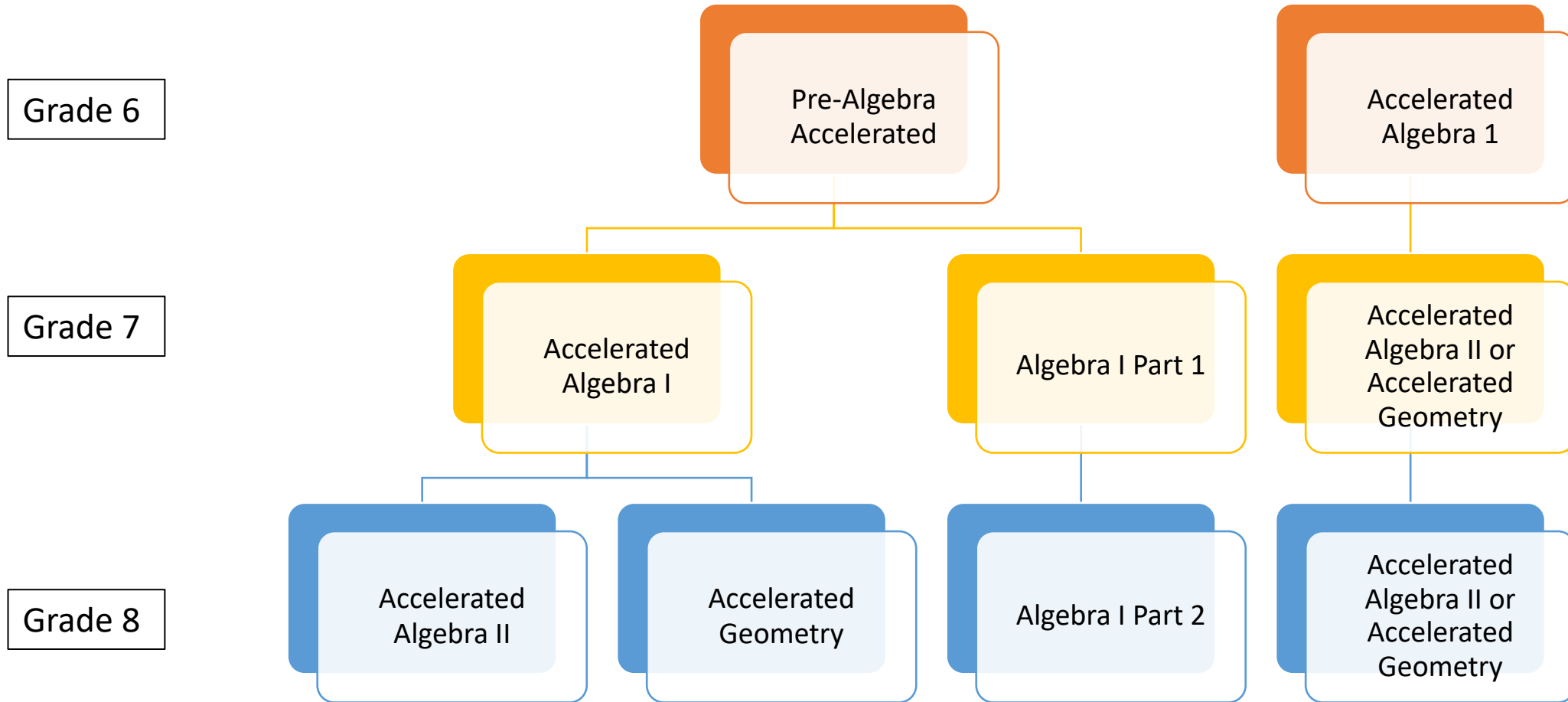
# PMS Math Pathways

## ESL, 504, and IEP Considerations

- If you have a child with an IEP, you will be discussing placement with your case manager to ensure their needs are being met; they will receive their modifications/accommodations throughout the placement process
- Students with a 504 plan will receive their accommodations throughout the placement process
- Students in ESL programming will also receive accommodations throughout the placement process



# Math Courses at PMS for 2023-2024







# Math Program Review

- This upcoming spring and fall we will be undergoing a math program review to ensure we are:
  - Providing a course sequence that makes sense for all learners and meets their diverse needs
  - Aligning and embedding core NJ math standards in our courses
  - Implementing research-based instructional practices

More information about participating in caregiver focus groups will be sent out soon



# Rubric Reviews



- [Math Placement Rubric](#)

- [NJDOE Markers of Future Success](#)

- [Algebra I Placement Rubric](#)



Rising 6<sup>th</sup> grade  
Information

# Math Placement Rubric Pre- Algebra

## 1. LinkIt Form C

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

## 2. Pre-Algebra Readiness Assessment

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

## 3. Markers for Success

Grade	Does Not Yet Meet Expectations	Partially meets Expectations	Approaching Meeting Expectations	Meets Expectations	Exceeds Expectation
	Student does not demonstrate mastery of grade- level expectations, never engaging in the outlined skills.	Student demonstrates partial mastery of grade-level expectations, rarely engaging in the outlined skills.	Student inconsistently demonstrates mastery or is otherwise approaching mastery of grade- level expectations of the outlined skills.	Student consistently meets grade-level expectations of the outlined skills.	Student consistently exceeds grade-level expectation of the outlined skills.
Points	0	1	2	3	4

Points: \_\_\_\_\_

**Points/Placement:**

0-11: Students will be placed into Pre-Algebra

12: Students will be administered the Algebra 1 Readiness Assessment. Students who score 90% or higher on the Algebra Readiness Assessment will then be placed into Algebra 1.

Total Points: \_\_\_\_\_



# NJDOE Markers of Future Success Rubric



## Sample Rubric for Important Markers of Future Success

This rubric represents just three criteria a teacher might use to get a rough idea of how a student might perform in class. When these criteria, or others like them, are used in conjunction with other readily available information such as current grades and test scores, and grades from prior years, they can help a teacher set ambitious and achievable learning targets for students. Teachers may use this rubric as presented here or modify to meet their own requirements.

Criterion	Level 4	Level 3	Level 2	Level 1
Active Participant	Always prepared. Engaged in all of the learning process	Mostly prepared. Engaged in most of the learning process	Sometimes prepared. Engaged in some of the learning process	Rarely prepared. Engaged in little or none of the learning process
Academic Independence	Consistently demonstrates intellectual curiosity Consistently self-motivated and independent	Frequently demonstrates intellectual curiosity Usually self-motivated and independent	Sometimes demonstrates intellectual curiosity. Sometimes self-motivated and independent	Rarely demonstrates intellectual curiosity. Rarely or never self-motivated, frequently depends on prompting and/or teacher assistance
Class Attendance	Never absent	Rarely absent	Sometimes absent	Frequently absent

# Math Placement Rubric Algebra

## 5th to 6th Grade Math Placement Rubric- Algebra

### 1. LinkIt Form C

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 2. Pre-Algebra Readiness Assessment

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 3. Markers for Success

Grade	Does Not Yet Meet Expectations	Partially meets Expectations	Approaching Meeting Expectations	Meets Expectations	Exceeds Expectation
	Student does not demonstrate mastery of grade- level expectations, never engaging in the outlined skills.  (0-1 points on the DOE Rubric)	Student demonstrates partial mastery of grade-level expectations, rarely engaging in the outlined skills.  (2-4 points on the DOE Rubric)	Student inconsistently demonstrates mastery or is otherwise approaching mastery of grade- level expectations of the outlined skills.  (5-6 points on the DOE rubric)	Student consistently meets grade-level expectations of the outlined skills.  (7-9 points on DOE Rubric)	Student consistently exceeds grade-level expectation of the outlined skills  (10 points or higher on DOE Rubric).
Points	0	1	2	3	4

Points: \_\_\_\_\_



#### 4. Algebra Readiness Assessment

Grade	69% or below	70% or higher	80% or higher	90% or higher
Points	0	1	2	3

Points: \_\_\_\_\_

#### **Points/Placement:**

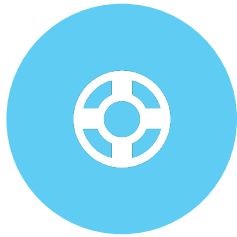
0-14 Points: Students will be placed into Pre-Algebra

15 Points: Students will be placed into Algebra 1

Total Points: \_\_\_\_\_

**\*Note: Students who achieve 12 points on tasks 1-3, and score 86% or higher on the Algebra Readiness Assessment can be waived into Algebra 1 per family request.**

# Rising 6th Grade Timelines



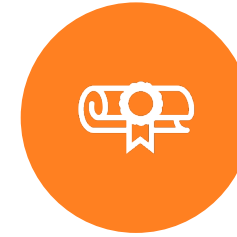
MAY 1<sup>ST</sup>: END OF YEAR  
(EOY) TESTING WINDOW  
OPENS



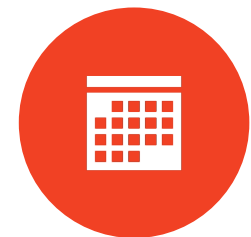
MAY 12<sup>TH</sup>: ALL LINKIT FORM  
C ASSESSMENTS WILL BE  
GIVEN TO 5TH GRADE



MAY 15<sup>TH</sup>-26<sup>TH</sup>: TEACHERS  
WILL FILL OUT FORMS FOR  
MATH PLACEMENT



MAY 29<sup>TH</sup>-JUNE 2<sup>ND</sup>:  
ALGEBRA READINESS  
ASSESSMENTS WILL BE  
GIVEN TO STUDENTS WHO  
QUALIFY (BASED ON  
DISCUSSED RUBRIC)



WEEK OF JUNE 12<sup>TH</sup>:  
PLACEMENTS WILL BE  
REVIEWED AND LETTERS  
WILL BE SENT OUT FOR  
FALL PLACEMENT

# Math Placement Rubric Rising 7<sup>th</sup> Grade

## 6th to 7th Grade Math Placement Rubric

### 1. LinkIt Form C

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 2. Algebra Readiness Assessment

Grade	69% or below	70% or higher	80% or higher	90% or higher
Points	0	1	2	3

Points: \_\_\_\_\_

### 3. Markers for Success

Grade	Does Not Yet Meet Expectations	Partially meets Expectations	Approaching Meeting Expectations	Meets Expectations	Exceeds Expectation
	Student does not demonstrate mastery of grade-level expectations, never engaging in the outlined skills.	Student demonstrates partial mastery of grade-level expectations, rarely engaging in the outlined skills.	Student inconsistently demonstrates mastery or is otherwise approaching mastery of grade-level expectations of the outlined skills.	Student consistently meets grade-level expectations of the outlined skills.	Student consistently exceeds grade-level expectation of the outlined skills.
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 4. Average of Four Open-ended Response Problems

Percentile	Bottom 25%	50%	75%	Top 25 %
Points	1	2	3	4

### Points/Placement:

15 pts: Students will be placed into Algebra 1 Accelerated

<15 pts: Students will be placed into Algebra 1 Part 1.

**\*Note:** Students who score 86% or higher on the Algebra 1 Readiness Assessment can be waived into Algebra 1 Accelerated per family request.

Total Points: \_\_\_\_\_

# Math Placement Rubric Rising 8<sup>th</sup> Grade

## Algebra I Accelerated Math Placement Rubric for Algebra II

### 1. LinkIt Form C

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 2. LinkIt Algebra 2 Readiness Assessment

Grade	69% or below	70% or higher	80% or higher	90% or higher
Points	0	1	2	3

Points: \_\_\_\_\_

### 3. Markers for Success

Grade	Does Not Yet Meet Expectations	Partially meets Expectations	Approaching Meeting Expectations	Meets Expectations	Exceeds Expectation
	1 Student does not demonstrate mastery of grade-level expectations, never engaging in the outlined skills.	Student demonstrates partial mastery of grade-level expectations, rarely engaging in the outlined skills.	Student inconsistently demonstrates mastery or is otherwise approaching mastery of grade-level expectations of the outlined skills.	Student consistently meets grade-level expectations of the outlined skills.	Student consistently exceeds the grade-level expectation of the outlined skills.
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 4. Unit Assessment

Score	<60	60-69	70-79	80-89	90-100
Points	0	1	2	3	4

Points: \_\_\_\_\_

### Points/Placement:

15 : Students will be placed into Algebra 2 Accel

<15 : Students will be placed into Geometry

**\*Note: Students who score 86% or higher on the Algebra 2 Readiness Assessment can be waived into Algebra 2 per family request.**

Total Points: \_\_\_\_\_



## Rising 7<sup>th</sup>- 8<sup>th</sup> Grade Information

- [7<sup>th</sup> Grade Math Placement Rubric](#)
- [8<sup>th</sup> Grade Math Placement Rubric](#)
- [NJDOE Markers of Future Success](#)

# Rising 7th - 8th Grade Timelines



MARCH 24<sup>TH</sup> – APRIL 14<sup>TH</sup>  
PLACEMENT TESTING FOR  
RISING 7-8<sup>TH</sup> GRADERS  
BEGINS



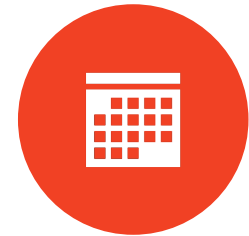
APRIL 10<sup>TH</sup> – APRIL 26<sup>TH</sup>  
TEACHERS WILL REVIEW  
STUDENT DATA AND  
BEGIN PRELIMINARY  
PLACEMENTS



MAY 15<sup>TH</sup>-19<sup>TH</sup>  
TEACHERS WILL  
ADMINISTER CLASSROOM  
ASSESSMENTS



MAY 29<sup>TH</sup>-JUNE 20<sup>TH</sup> :  
TEACHERS WILL REVIEW  
THE RUBRIC DATA POINTS  
AND MAKE PLACEMENT  
ADJUSTMENTS



WEEK OF JUNE 12<sup>TH</sup>  
LETTERS WILL BE SENT OUT  
FOR FALL PLACEMENT



## PMS Math Instructional Materials and Resources

Instructional Materials:  
SAAVAS enVision  
textbooks, Desmos, and  
Geogebra

Tiered Supports: Delta  
Math, guided notes, small  
group instruction



# What Does a Typical PMS Math Lesson Look Like?

## Typical A-D Day (50 minutes)

1. Do Now / Warmup
2. Mini Lesson
3. Guided Practice
4. Individual Practice
5. Exit Ticket

## Technology Used


1. Canvas
2. DeltaMath
3. Desmos / Geogebra
4. Google Sheets / Slides

## Typical E-Day (45 minutes)

1. Do Now / Warmup
2. Scaffolded Practice
3. 1-1 Conferences / Check-Ins
4. Exit Ticket

## Activities / Investigations

1. Investigative Projects
2. Hands-On Lessons
3. Application Problem-Solving
4. Menu Activities
5. Station Rotations



## The Importance of Middle School Math Skills

It is important to develop an in-depth, strong foundation of these skills to be successful in later math courses and on college assessments



The bulk of concepts students need to know for SAT and ACT exams come from:

Pre-  
Algebra

Algebra  
I

Algebra  
II

# Math Placement Rubric Rising 9<sup>th</sup> Grade

## 8th to 9th Grade Math Placement Rubric

### 1. LinkIt Form C

Grade	Not Meeting	Partially meeting	Approaching	Bubble/Meeting	Exceeding
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 2. Geometry Readiness Assessment (Linkit Form C)

Grade	69% or below	70% or higher	80% or higher	90% or higher
Points	0	1	2	3

Points: \_\_\_\_\_

### 3. Markers for Success

Grade	Does Not Yet Meet Expectations	Partially meets Expectations	Approaching Meeting Expectations	Meets Expectations	Exceeds Expectation
	Student does not demonstrate mastery of grade-level expectations, never engaging in the outlined skills.	Student demonstrates partial mastery of grade-level expectations, rarely engaging in the outlined skills.	Student inconsistently demonstrates mastery or is otherwise approaching mastery of grade-level expectations of the outlined skills.	Student consistently meets grade-level expectations of the outlined skills.	Student consistently exceeds grade-level expectation of the outlined skills.
Points	0	1	2	3	4

Points: \_\_\_\_\_

### 4. Unit Assessment Average

Score	<60	60-69	70-79	80-89	90-100
Points	0	1	2	3	4

### Points/Placement:

15: Students will be placed into Geometry Accelerated

<15: Students will be placed into Geometry.\*

**\*Note: Students who score 86% or higher on the Geometry Readiness Assessment can be waived into Geometry Accelerated per family request.**

Total Points: \_\_\_\_\_

# Possible PHS Pathways: Life after PMS

	Mathematics			Computer Science	
8th grade / start pt.	Algebra I Part 2 or Algebra I		Algebra II Accelerated or Geometry Accelerated	Completion of Algebra 1	
9th grade:	Geometry		Geometry Accelerated or Algebra II Accelerated	Python	C.S. Principles
10th grade:	Algebra II		Precalculus Accelerated	JAVA	
				Obj. Oriented Programming: JAVA	
11th grade:	Precalculus		AP Statistics	AP Calc. AB or BC	
12th grade:	AP Statistics	AP Calculus AB	Multivariable Calculus & Linear Algebra	Algorithms & Data Structures	

**\*\*This chart displays typical progressions. Refer to the PHS Program of Studies for all prerequisite and qualifying criteria for each course shown.\*\***



# Questions?

Please share your questions in the Q&A box at the bottom of your screen!

# Next Steps

- A FAQ document from tonight's presentation will be sent out shortly
- A recording of this webinar will also be available
- Points of contact:
  - Rising 6<sup>th</sup> grade: Sarah Moore; [sarahmoore@princetonk12.org](mailto:sarahmoore@princetonk12.org)
  - Rising 7<sup>th</sup> and 8<sup>th</sup> grade: Stephenie Tidwell; [stephenietidwell@princetonk12.org](mailto:stephenietidwell@princetonk12.org)

Thank you for your time and partnership!