

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

What is LinkIt?

PMS Math Pathways and On-Ramps

Special Education, 504, and ESL Considerations

Rubrics and Placement

Timelines and Communication

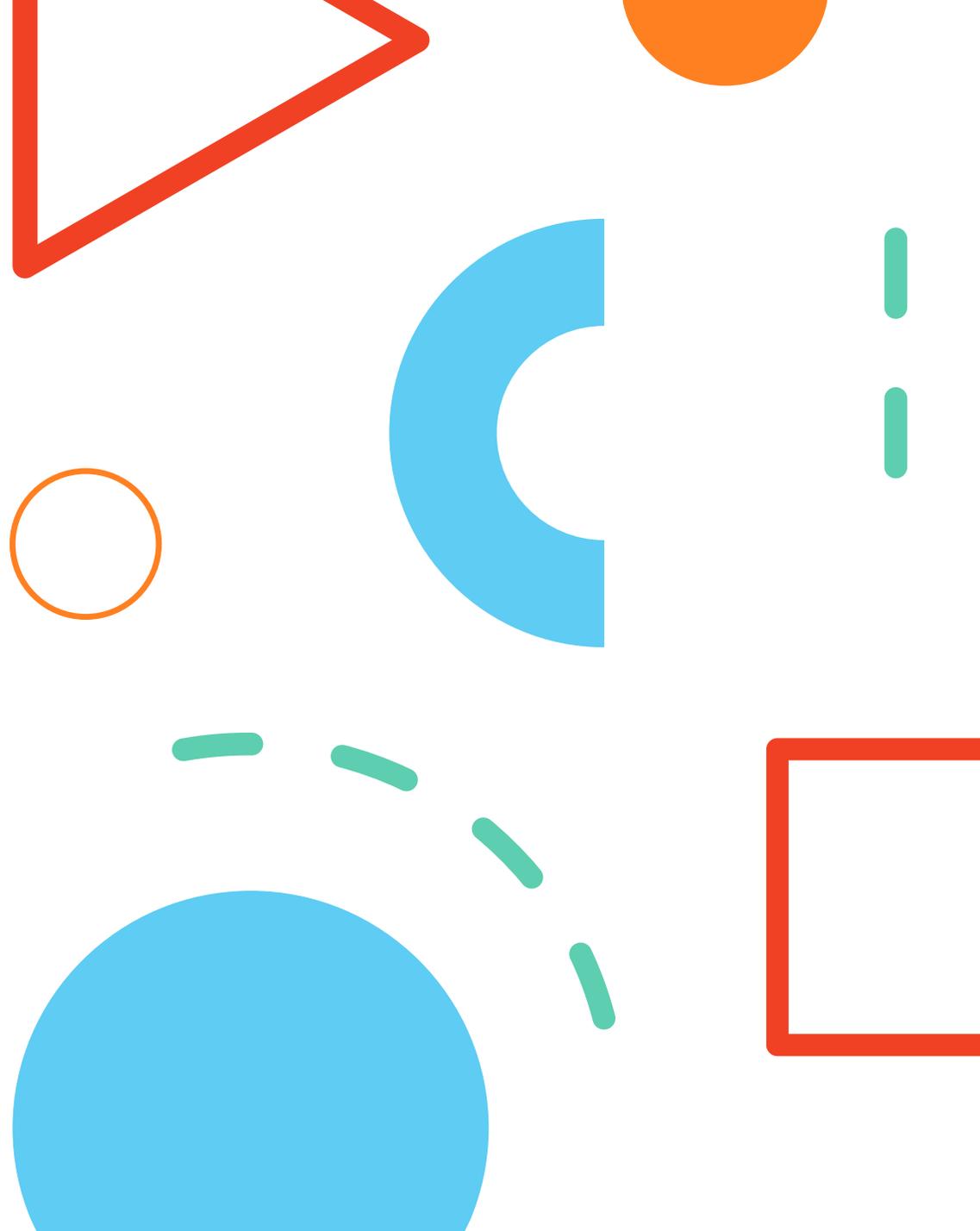
Instructional Resources

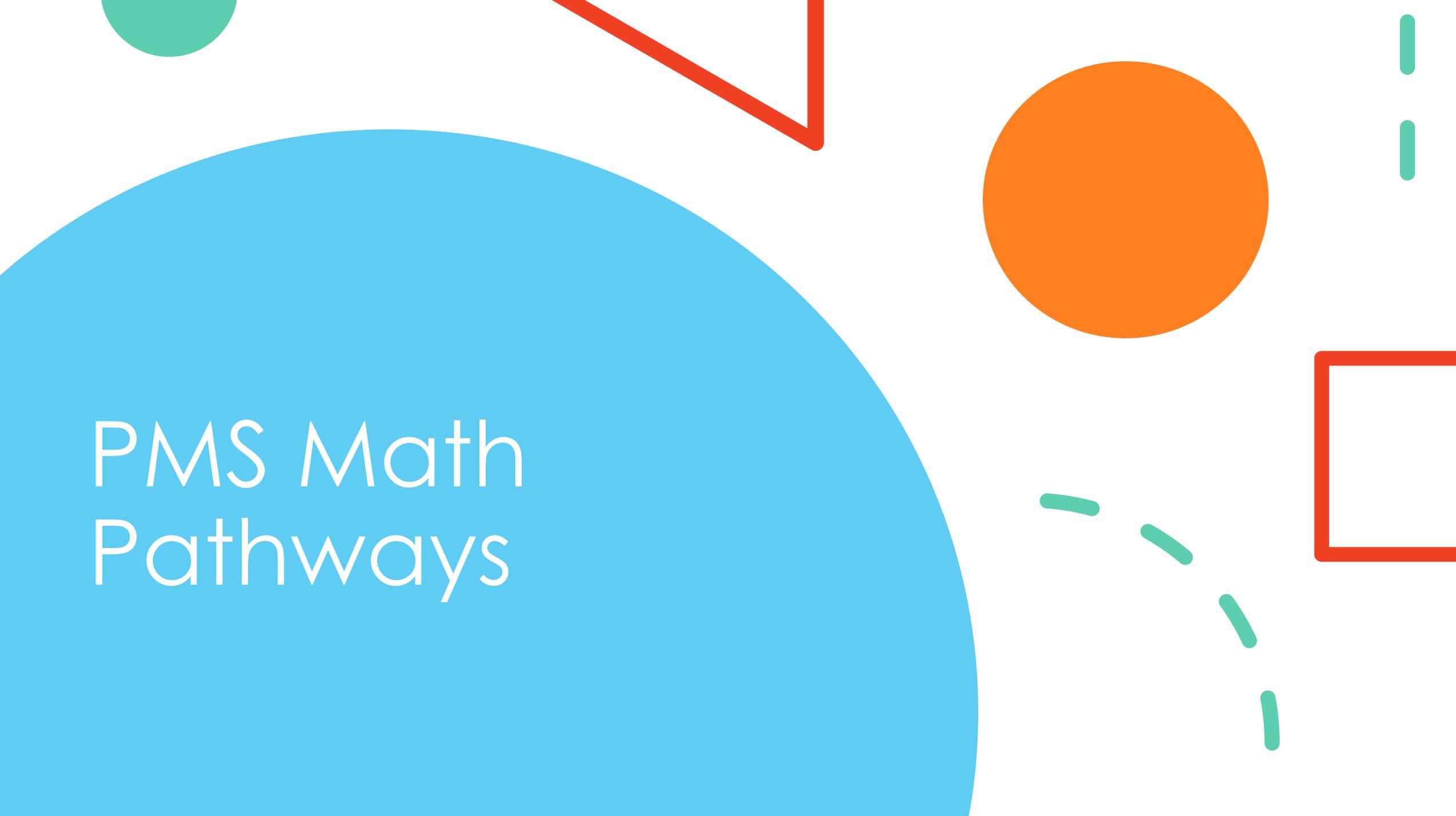
Life after PMS

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.



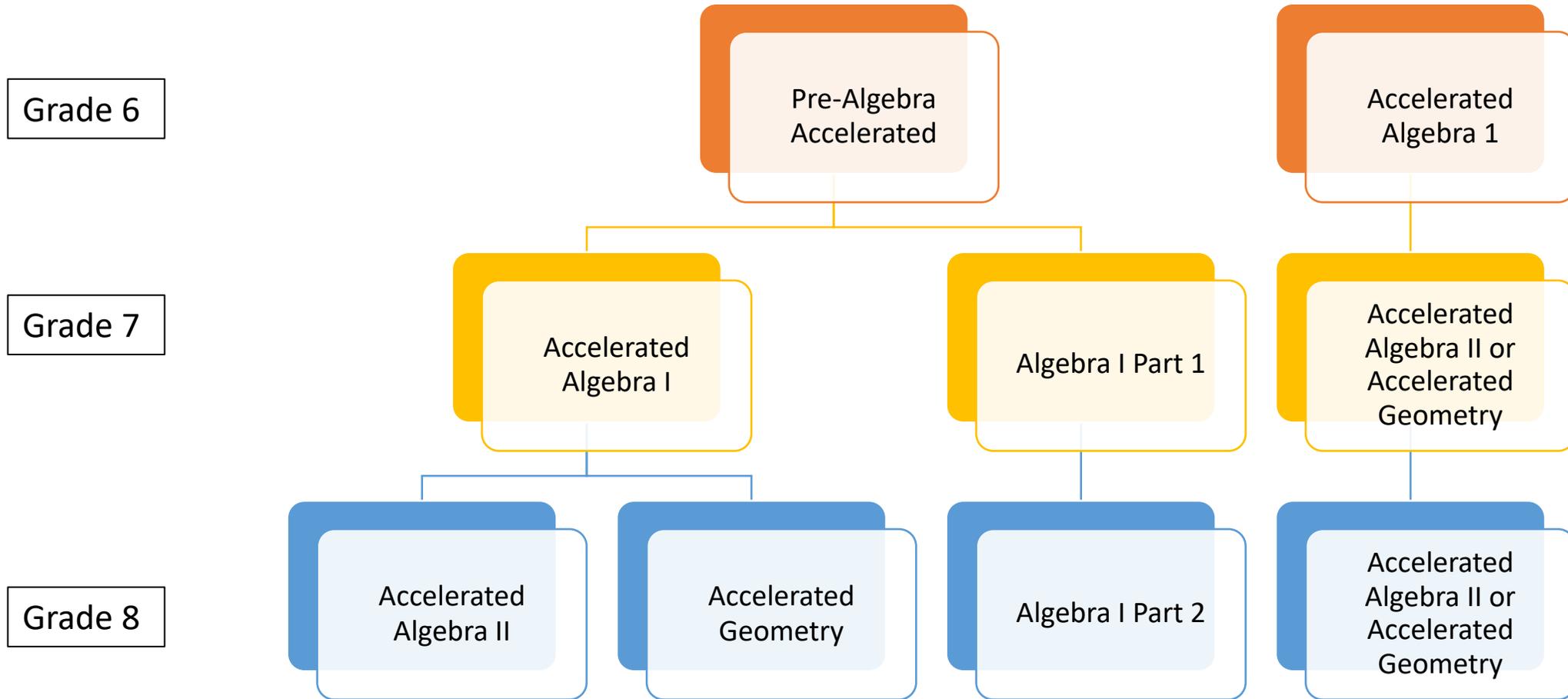


PMS Math Pathways

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

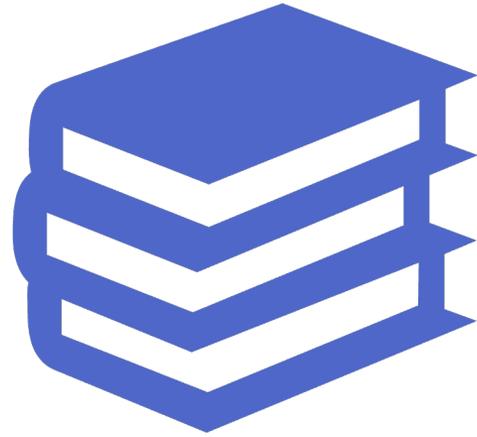




Math Program Review

- 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 6th 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:

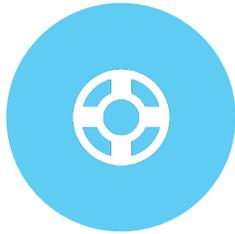
0-14 Points: Students will be placed into Pre-Algebra

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 1ST: END OF YEAR
(EOY) TESTING WINDOW
OPENS



MAY 12TH: ALL LINKIT FORM
C ASSESSMENTS WILL BE
GIVEN TO 5TH GRADE



MAY 15TH-26TH: TEACHERS
WILL FILL OUT FORMS FOR
MATH PLACEMENT



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



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

Math Placement Rubric Rising 7th 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 8th 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 7th- 8th Grade Information

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



Rising 7th - 8th Grade Timelines



MARCH 24TH – APRIL 14TH
PLACEMENT TESTING FOR
RISING 7-8TH GRADERS
BEGINS



APRIL 10TH – APRIL 26TH
TEACHERS WILL REVIEW
STUDENT DATA AND
BEGIN PRELIMINARY
PLACEMENTS



MAY 15TH-19TH
TEACHERS WILL
ADMINISTER CLASSROOM
ASSESSMENTS



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



WEEK OF JUNE 12TH
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 9th 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.*

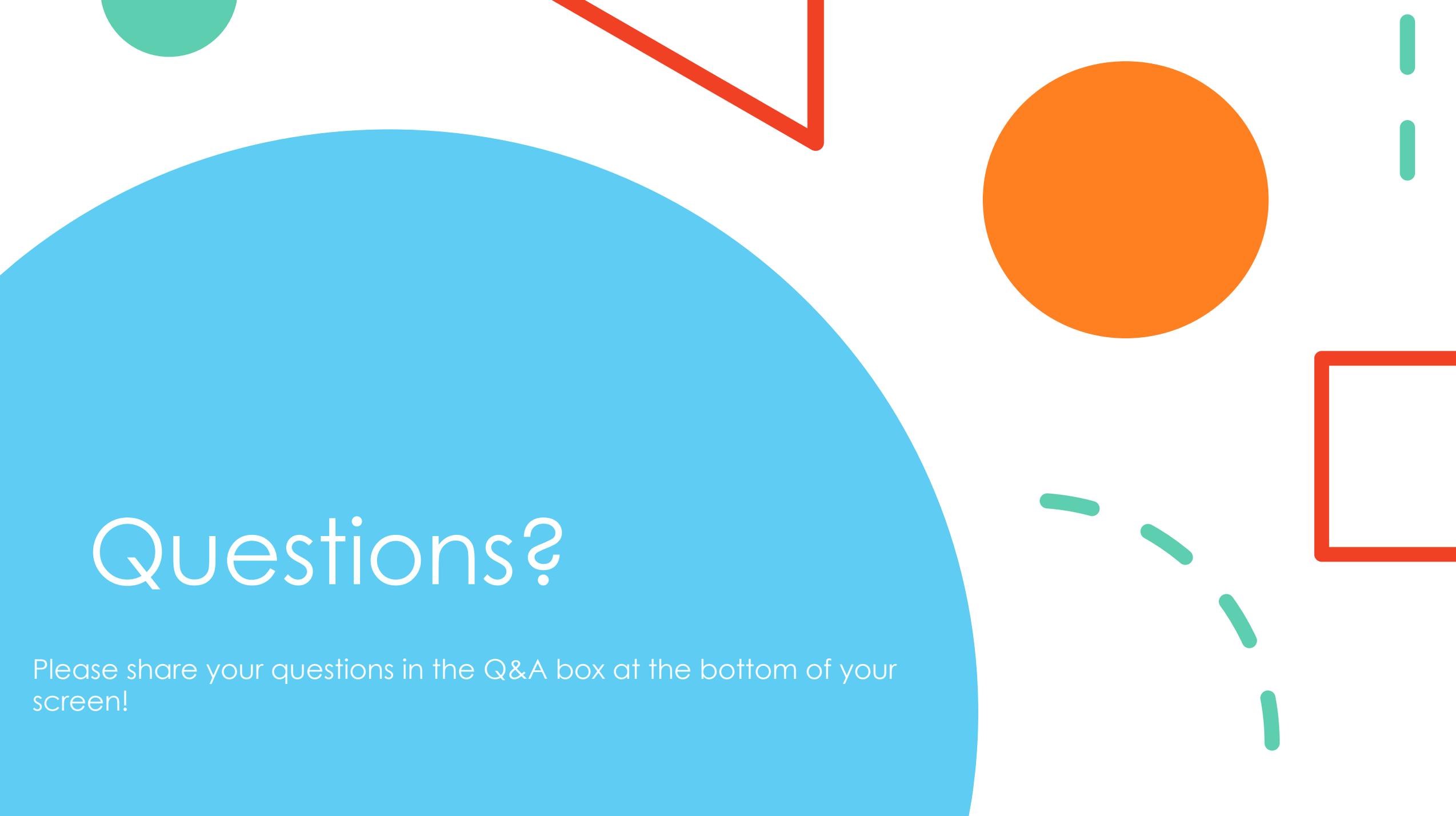
***Note: Students who score 86% or higher on the Geometry Readiness Assessment can be waived into Geometry Accelerated per family request.**

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	AP CS: JAVA	
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 6th grade: Sarah Moore; sarahmoore@princetonk12.org
 - Rising 7th and 8th grade: Stephenie Tidwell; stephenietidwell@princetonk12.org

Thank you for your time and partnership!