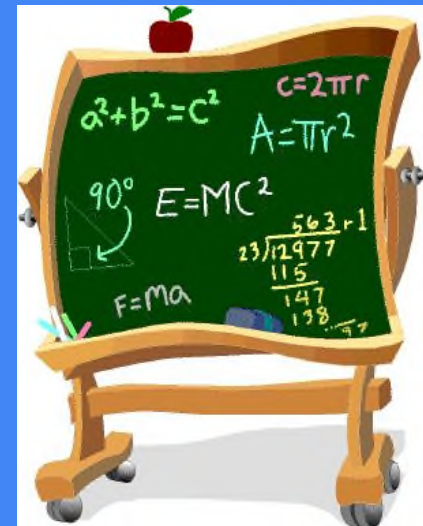


6th Grade Math Placement Process Spring 2021 Entering UMS

March 10, 2021

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Supervisor Mathematics & Science 5-8



Placement Process 2021

Due to the following, the Placement process was not able to be finalized until now.

Considerations Necessary

- Student Instructional Mode (Hybrid, Virtual, etc)
- Assessments (MAP, Cumulative, Unit Tests) online vs. in person
- Scheduling so that a student did not have more than one placement assessment in any given week.

Remaining Unknowns

- NJSLA-Math (State Test) -Currently not clear whether this will be administered by NJ and if so -when.

Overview of 7th Grade Math

Resources

- Extra help once a week with child's teacher
- Flex Time (30 minutes)
- Study Guides for each unit assessment
- Online videos and supportive materials

Extra-curricular & Math related activities

- After School Math Competitions
- Mathcounts (Competitive & ongoing)

Pre-Algebra 7

- Pre-Algebra 7 meets the NJ State Learning Standards for grade 7 while providing students challenging activities and experiences where they can explore real world applications.
- Content includes ratio, percent and proportions, operations with expressions, variables, polynomials, fractions, geometry, data analysis and solving equations.

Algebra I Part 1

- A full-year course that develops the first half of the study of high school Algebra I. Students develop skills in problem solving and critical thinking through real-world and mathematical problems.
- Course topic sections include writing, simplifying, and evaluating algebraic expressions. Modeling, writing, and solving algebraic equations and functions. Graphing and representing linear equations in a variety of forms. Creating, analyzing, and making linear predictions with scatter plots is developed. Additional Common Core topics are also taught (Geometry, Statistics)
- Students take Math 7 NJSL Math Assessment

Algebra I

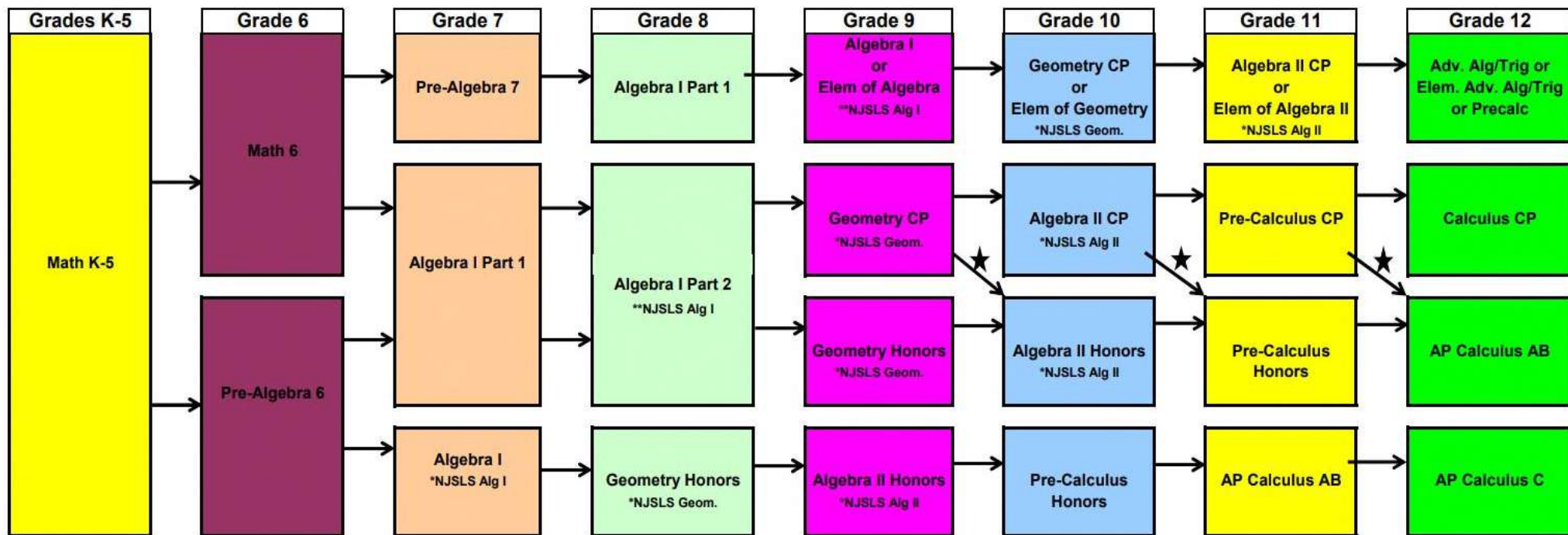
- A full year rigorous high school level course that develops all the concepts and skills of high school Algebra I.
- Topics include: expressions, polynomials, radicals, exponents, linear and non-linear functions, quadratic equations, systems of equations and inequalities, probability and data analysis.
- Students take the NJSLS Algebra I Assessment

Common Sequences

- The next slide gives the most common sequences for students for illustrative purposes.
- In actuality looking at the graduating class of 2019 there were over 80 different sequences that students took from grade 5 through grade 12.
- Options available at the HS include
 - Option II (taking a course for credit and acceleration)
 - Doubling up Geometry & Algebra II (w approval from HS Supervisor)

Montgomery Township Schools

Common Mathematics Sequences



NOTES: * Denotes possible course path if student meets the HS Program of Studies Requirement of 95% or higher in prerequisite course.

Common course sequences are illustrated. Additional opportunities are available through Option II process. See HS Program of Studies Guide.

In order for students to continue in the Honors sequence, students must maintain the required average based on the Course of Study requirements.

NJSLA: * In grades 5-8 students take the NJSLA Math Assessment for their grade level unless they are in an indicated HS level course

** Students must take and pass the NJSLA Algebra I test as it is a NJ High School Graduation Requirement.

Academic Support

Math Workshop

- Every other day the student receives additional math instruction for half a block or a whole block
- Focus is on skills and concepts from previous year that have not yet been mastered along with help for current skills
- Feedback on progress quarterly

Math 6

Placement Criteria

- **Unit Test Average (45%)** Sept. through Mid-May
- **Cumulative Assessment (25%)** cumulative test
- **Measures of Academic Progress-MAP (25%)**
- **Work Habits/Study Skills (5%)** assessed by the teacher using a district-developed rubric

These criteria will make up the final summary score mathematics placement.

Pre-Algebra 6 Placement Criteria

- ***Unit Test Average (35%)*** Sept. through Mid-May
- ***Cumulative Assessment (20%)*** cumulative test
- ***Measures of Academic Progress-MAP (20%)***
- ***Algebra Readiness Assessment (20%)***
- ***Work Habits/Study Skills (5%)***

These criteria will make up the final summary score mathematics placement.

Unit Tests

- Unit tests are common assessments for all students in the same grade 6 course
- Concepts are reviewed and there are review (Study Guides) for each unit are distributed to students.
- If a student scores less than 70% on a Unit Test they may retake the test to receive a maximum grade of 70. (They receive the higher of the first test and retest to a maximum of 70)

Algebra Readiness Assessment

- Online Assessment **April 21** (Make ups **4/22**)
- Students in Pre-Algebra 6 take this assessment
- Helps determine the readiness of students for
- Algebra I.
- This is a timed test of 50 minutes.
- Total of 60 questions, calculators may not be
- used.

MAP

(Measures of Academic Progress)

- Scheduled for **April 26-29**
- Computerized adaptive test
- Assessment limited to 2 periods
- Charts your child's academic growth from year to year
- The information helps to make Math placement decisions

Cumulative Assessment

- Scheduled for **May 12** and **May 13**
- Cumulative Assessment is a common assessment for all students in the same course
- Concepts are reviewed and a review packet is distributed to students and online –also answers to the review packet will be available online.
- Important for students to pull all concepts from the year together

Math 6 Summary Score

Unit Test Average	(45%)	.....	(.45 x Avg.)=
Cumulative Assessment	(25%)	.....	(.25 x score)=
MAP (MAP÷285 x 100)	(25%)	.....	(.25 x MAP Score)	..=
Work Habits/Study Skills	(5%)	.....	(.05 x WHSS)=

Summary Score (Add)= _____

Cutoffs:

50 - 82.....**Pre-Algebra 7**

83 - 100.....**Algebra I Part 1**

Pre-Algebra 6 Summary Score

Unit Test Average	(35%)	.....	(.35 x Avg.)=
Cumulative Assessment	(20%)	.....	(.20 x score)=
MAP (MAP÷285 x 100)	(20%)	.....	(.20 x MAP Score)	..=
Algebra Readiness Ass.	(20%)	.....	(.20 x ARA)=
Work Habits/Study Skills	(5%)	.....	(.05 x WHSS)=

Summary Score (Add)= _____

Cutoffs:

50 - 87.....**Algebra I Part 1**

88 - 100.....**Algebra I**

Waiver Option

- The student's performance **summary score** and **placement** will be in your child's **Placement Letter** that will be online in Genesis by **May 25**.
- Parents and students can consider the **waiver option** if and only if a student's **summary score** is within **3 points** of the score needed for the requested placement. (***Must be within 3 points***)
- If your child is eligible for a Waiver, the **link to the online Waiver form** will appear in your child's placement letter.
- Waiver MUST be completed no later than **June 9**.

Math 6

Summary Score Example 1

Unit Test Average	(89.2)	(45%).....	(.45 x 89.2).....=	40.1
Cumulative Assessment	(88)	(25%).....	(.25 x 88).....=	22.0
MAP (230÷285 x 100)	(80.7)	(25%).....	(.25 x 80.7).....=	20.2
Work Habits/Study Skills	(100)	(5%).....	(.05 x 100).....=	5.0

Summary Score (Add) = 87.3.

Cutoffs:

50 - 82.....**Pre-Algebra 7**

83 - 100.....**Algebra I Part 1**

Placement: **Algebra I Part 1**

Math 6

Summary Score Example 2

Unit Test Average	(80.1)	(45%).....	(.45 x 80.1).....= 36.0
Cumulative Assessment	(82)	(25%).....	(.25 x 82).....= 20.5
MAP (225÷285 x 100)	(78.9)	(25%).....	(.25 x 78.9).....= 19.7
Work Habits/Study Skills	(100)	(5%).....	(.05 x 100).....= 5.0

Summary Score

(Add) = 81.2.

Cutoffs:

50 - 82.....**Pre-Algebra 7**

83 - 100.....**Algebra I Part 1**

Placement: **Pre-Algebra 7***

*** Eligible for a Waiver to Algebra I Pt 1**

Pre-Algebra 6

Summary Score Example 1

Unit Test Average	(90.5)	(35%).....	(.35 x 90.5).....= 31.7
Cumulative Assessment	(89)	(20%).....	(.20 x 89).....= 17.8
MAP (240÷285 x 100)	(84.2)	(20%).....	(.20 x 84.2).....= 16.8
Algebra Readiness Ass.	(88)	(20%).....	(.20 x 88.0).....= 17.6
Work Habits/Study Skills	(100)	(5%).....	(.05 x 100).....= 5.0

Summary Score

(Add) = 88.9.

Cutoffs:

50 - 87.....**Algebra I Part 1**

88 - 100.....**Algebra I**

Placement: **Algebra I**

Pre-Algebra 6

Summary Score Example 2

Unit Test Average	(89.3)	(35%).....	(.35 x 89.3).....=	31.3
Cumulative Assessment	(79.0)	(20%).....	(.20 x 79.0).....=	15.8
MAP (238÷285 x 100)	(83.5)	(20%).....	(.20 x 83.5).....=	16.7
Algebra Readiness Ass.	(86.0)	(20%).....	(.20 x 86.0).....=	17.2
Work Habits/Study Skills	(100)	(5%).....	(.05 x 100).....=	5.0

Summary Score

(Add) = 86.0

Cutoffs:

50 - 87.....**Algebra I Part 1**

88 - 100.....**Algebra I**

Placement: **Algebra I Part 1***

***Eligible for a Waiver to Algebra I**

Placement Timeline

- **April 21 (22)** Algebra Readiness (Pre-Algebra 6 only)
- **April 26-29** –MAP Testing
- **May 12 & 13** – Cumulative Assessment
- **May 25** – Placement Letter in Genesis with details
- **June 9** – Waiver form deadline (If eligible a link is provided in a child's Placement Summary Sheet.
- Summer – New student testing (dates TBA)

Math Placement

How will I be informed of my child's placement in grade 7?

- You will have access to your child's Placement Letter in Genesis by **May 25**. It will provide the assessment details previously described.

Questions ??

I have a question...

As many questions are similar please go to this Google Form and ask your question(s). I will generate a FAQ based on these questions. Please address your questions in this way rather than emailing me directly. I will have the FAQ available Friday (3/12) or Monday (3/15)

[Link to Ask Questions](https://forms.gle/yT2RXd2zZqnLnJTE6)

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