

Placement Process Into 7th Grade Math

Presented: January 22, 2015

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January 22, 2015

Montgomery Township School District



Math Placement

- *What are the placement criteria for grade seven courses?*



Placement Criteria for Pre-Algebra 7 & Algebra I Pt.

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- **Unit Test averages** ¹ (45%) the four marking periods
 - **Cumulative Assessment** (25%) placement 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

that determines the student's mathematics placement



Placement Criteria for Algebra I Honors

- **Unit Test averages (35%)** the four marking periods
- **Cumulative Assessment (20%)** *Pre-Algebra 6*
- **Measures of Academic Progress-MAP (20%)**
- **IOWA Algebra Aptitude Test (20%)**
- **Work Habits/Study Skills (5%)** determined by the teacher using a district developed rubric

January 23, 2015

These criteria will make up the final summary score



that determines the student's mathematics placement

Unit Test Averages

- Unit tests are common assessments for all students in grade 6 in the same course
- Concepts are reviewed. The end of chapter tests are a great resource for practice and review.



Cumulative Assessment

- Scheduled for **March 30th** and **March 31st**
- Cumulative Assessment is a common assessment for all students in their course.
- Concepts are reviewed and a review packet is distributed to students
- Important for students to pull all concepts together



Measures of Academic Progress -MAP

- Scheduled for **April 20, 21**
- Computerized adaptive test
- Untimed assessment
- Sets learning paths for Odyssey
- Charts your child's academic growth from year to year
- The information helps to guide instruction and to make placement decisions



Iowa Algebra Aptitude Test

- Scheduled for **April 30th (Make ups 5/1)**
- Helps determine the readiness of students for Algebra I Honors
- Four sections, each section is timed and takes 10 or less minutes to complete.
- Total of 63 questions, calculators may not be used.



Work Habits/Study Skills

- *What are the Work Habits/ Study Skills?*



Work Habits/ Study Skills

- Reviewed with students
- Based on a District developed rubric



Mathematics Work Habits /Study Skills Assessment– Grades 5 & 6

Criteria	4 points	3 points	2 points	1 point
1- Completes assignments thoroughly.	Assignments are consistently attempted and complete with necessary work shown i.e. with few exceptions	Assignments are frequently attempted and complete with necessary work shown i.e. At least 4 days/week	Assignments are occasionally attempted and complete with necessary work shown i.e. at least 3 days/week OR Assignments are attempted 4 or 5 days/wk without necessary work shown.	Assignments are rarely or never attempted; when attempted, no work is shown.
2- Comes to class prepared with books, materials and assignments.	With few exceptions	At least 4 days/week	At least 3 days/week	From 0- 2 days/week
3- Utilizes and maintains a mathematics journal/notebook	Consistently	Frequently	Occasionally	Rarely / Never
4- Demonstrates ability to work independently when appropriate	Consistently	Frequently	Occasionally	Rarely / Never
5- Solicits academic assistance when appropriate	Consistently seeks appropriate academic assistance.	Frequently seeks appropriate academic assistance.	Occasionally seeks appropriate academic assistance.	Rarely / Does not seek appropriate academic assistance.
6- Demonstrates ability to work effectively in groups	Consistently cooperates <i>and</i> contributes to group effort	Consistently cooperates <i>or</i> contributes to group effort	Occasionally cooperates <i>or</i> contributes to group effort	Rarely cooperates <i>or</i> contributes to group effort
7- Demonstrates a positive attitude when faced with an intellectual challenge	Consistently	Frequently	Occasionally	Rarely / Never
8- Demonstrates problem solving skills	Consistently applies a systematic approach to problem solving	Frequently applies a systematic approach to problem solving	Occasionally applies a systematic approach to problem solving	Rarely or Never applies a systematic approach to problem solving
9- Reviews and checks work	Consistently looks back to check reasonableness of work	Frequently looks back to check reasonableness of work	Occasionally looks back to check reasonableness of work	Rarely or never looks back to check reasonableness of work
10-Demonstrates consistency in performance	Consistently	Frequently	Occasionally	Rarely / Never

Math Placement

- *How will I be informed of my child's placement in grade 7?*
- You will receive a Summary Sheet which should be mailed from LMS on **May 21**. It will provide the details illustrated on the next two slides.



Data Summary Sheet

✓ Montgomery Township Schools ✓

Math Placement Data Sheet

Seventh Grade Math Placement for 2015-2016

May 2015

Student's Name:

Cumulative Assessment = (25% of Summary Score)
(Math 6)

MAP Assessment = (25% of Summary Score)
(Out of 285 points)

Grade Six Test Average = (45% of Summary Score)
(Test Average of 4 marking periods)

Work Habits/Study Skills Assessment = (5% of Summary Score)

Summary Score = (out of 100 points)

Math Placement =

Placement Cutoffs:

Pre-Algebra 7: Summary Scores from 0 - 82

Algebra I Part 1: Summary Scores from 83 - 100

Data Summary Sheet

✓ Montgomery Township Schools ✓

Math Placement Data Sheet

Seventh Grade Math Placement for 2015-2016

May 2015

Student's Name:

Cumulative Assessment = (20% of Summary Score)
(Pre-Algebra 6)

Iowa Algebra Aptitude Test = (20% of Summary Score)

MAP Assessment = (20% of Summary Score)
(Out of 285 points)

Grade Six Test Average = (35% of Summary Score)
(Test Average of 4 marking periods)

Work Habits/Study Skills Assessment = (5% of Summary Score)

Summary Score = **(out of 100 points)**

Math Placement =

Placement Cutoffs:

Algebra I Part 1: Summary Scores from 0 - 86

Algebra I Honors: Summary Scores from 87 - 100

Waiver Option

- The student's performance **summary score** and **placement** will be included in the **May 21** mailing.
- 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.
- Waivers must be submitted to the **UMS main office** no later than **June 5, 2015**.
- There will be **no proficiency testing** over the summer.



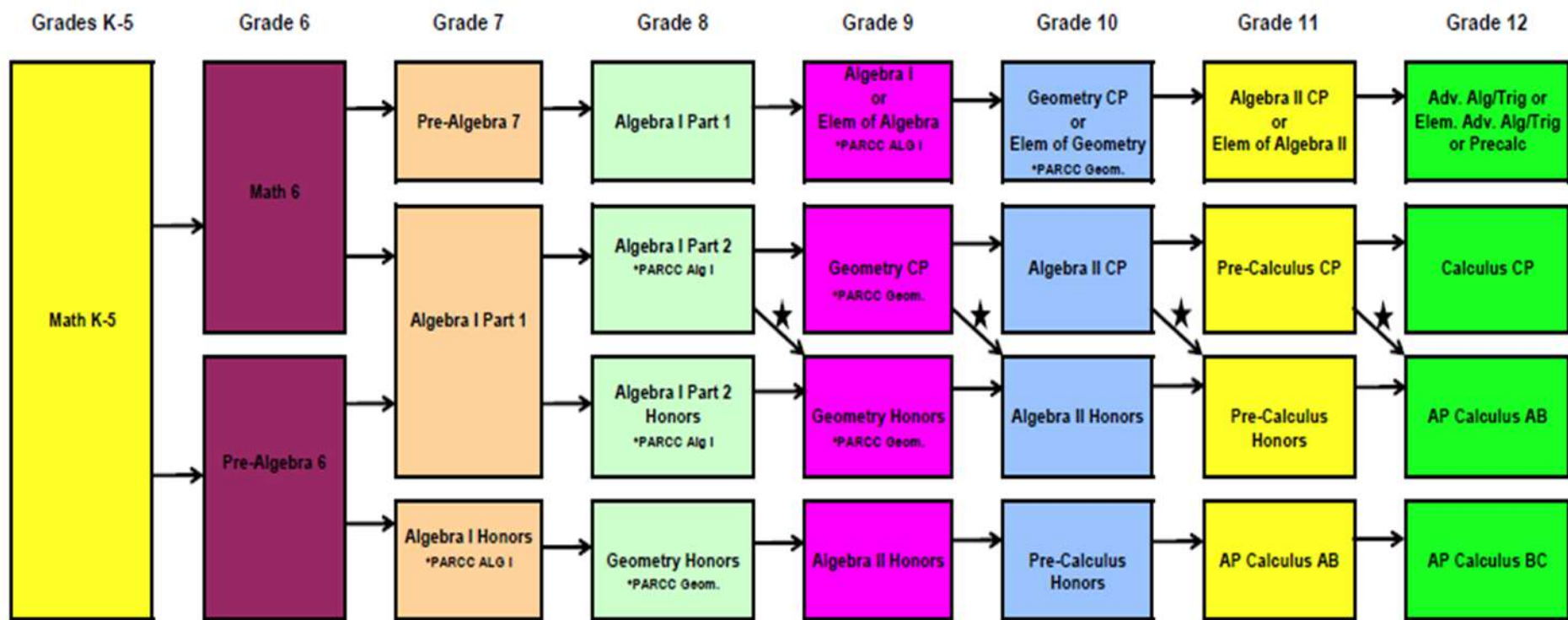
Math Sequences

- *What are the common math sequences?*
- The next slide illustrates the common math sequences. Students can also accelerate, once they enter the High School, if they choose. There are several opportunities for this once a student enters High School. More information on these opportunities (Option II) can be found in the HS Program of Studies available on the HS website.



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.

PARCC:

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

Pre-Algebra 7

- A course aligned with the Common Core Standards that emphasizes problem-solving and critical thinking while developing necessary concepts for the further study of algebra in a high school level course.
- Emphasis is placed upon the development and understanding of pre-algebraic and algebraic skills and their use in application and problem solving.
- Course topic sections include operations with integers, and rational numbers, factors, exponents, algebraic expressions, solving one and multi-step equations and inequalities, ratio, proportions, percents, probability, and geometry.



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)



Algebra I Honors

- A full year rigorous honors 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.



Placement Timeline



- **March 30th, 31st** - Cumulative Assessment (Grade 6)
- **April 20 & 21** -MAP Math Testing
- **April 30th (5/1 Makeups)** - IOWA Algebra Aptitude Test
- **May 21** - Placement information mailed from LMS
- **June 5th** - Waiver form deadline to be submitted to UMS
main office
- **Summer** - New student testing (dates to be posted)



Your Questions



Please remember to
return your feedback
sheets before leaving
this meeting.

Thank you so much.



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