



# HOWELL TOWNSHIP PUBLIC SCHOOLS

PROUD OF OUR SCHOOLS - CONCERNED FOR OUR CHILDREN

ERIN FEDINA  
Supervisor of Instruction

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May 2, 2019

Dear 6<sup>th</sup> Grade Parents,

In an effort to ensure that all students are receiving the best and most appropriate mathematics instruction, we provide the students in seventh and eighth grade an opportunity to take higher level math classes. Our goal is to provide the most academically challenging curriculum for all of our students so that they can become productive citizens in any career or life path that they choose.

Currently, we offer one higher level math class in each 7<sup>th</sup> and 8<sup>th</sup> grade: Pre-Algebra and Algebra 1. Students that are enrolled in Math 7, which is designed for the majority of our seventh grade students, will receive the requisite skills necessary for the success of the grade level standards, as well as meet the rigorous expectations of those standards. Seventh grade Pre-Algebra is designed to provide students with requisite skills in order to be successful in algebra with a rapidly paced curriculum, in order to cover the necessary content. The curriculum is outlined below for comparison. At the end of seventh grade, students in Math 7 and Pre-Algebra 7 will take the Algebra Readiness Assessment to determine placement in 8<sup>th</sup> grade. Due to the fact that the acquisition of these requisite algebraic skills is the foundation by which all students will build upon for the next five to six years, we must ensure that our students have met these expectations before they proceed to the next course.

In determining eligibility for higher level math classes, we use several pieces of criteria so that we can have the clearest picture of your child's mathematical ability. One of the assessments used in determining eligibility for Pre-Algebra in seventh grade and Algebra in eighth grade is the Pre-Algebra Readiness and Algebra Readiness Assessments. These assessments will be taken online only. The items on the assessments will be multiple-choice only and will be completed in one class period. Students may use paper to work out their solutions; however, the scrap paper will not be collected. Students may not use a calculator or any other tools on the assessment.

To that end, please make sure that your child has had plenty of rest and prepared for the assessment. Both the Pre-Algebra Readiness Assessment and Algebra Readiness Assessment will take place Wednesday, June 5<sup>th</sup> during your child's regularly scheduled math period.

Mathematically yours,

Erin Fedina

<b>Math 7 Curriculum</b>	<b>*7<sup>th</sup> Grade Pre-Algebra Curriculum</b>
Integers	Integers
Rational Numbers	Rational Numbers
Expressions and Equations	Expressions and Equations
Inequalities	Inequalities
Ratios and Proportions	Ratios and Proportions
Percents	Percents
Constructions and Scale Drawings	Constructions and Scale Drawings
Circles and Area	Circles and Area
Surface Area and Volume	Surface Area and Volume
Probability and Statistics	Probability and Statistics
	Transformations
	Angles and Triangles
	Graphing and Writing Linear Equations
	Real Number and the Pythagorean Theorem
	Volume and Similar Solids
	Exponents and Scientific Notation

\*7<sup>th</sup> Grade Pre-Algebra curriculum is not the same as the Pre-Algebra curriculum in 8<sup>th</sup> grade.



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May 3, 2019

Dear 7<sup>th</sup> Grade Parents,

In an effort to ensure that all students are receiving the best and most appropriate mathematics instruction, we provide the students in seventh and eighth grade an opportunity to take higher level math classes. Our goal is to provide the most academically challenging curriculum for all of our students so that they can become productive citizens in any career or life path that they choose.

Students that are enrolled in Math 7 receive the requisite skills necessary for the success of pre-algebra. Students enrolled in seventh grade Pre-Algebra receive the requisite skills in order to be successful in algebra. Due to the fact that the acquisition of these requisite algebraic skills is the foundation by which all students will build upon for the next five to six years, we must ensure that our students have met these expectations before they proceed to the next course. Therefore, students enrolled in Math 7 and Pre-Algebra 7 will take an Algebra Readiness Assessment to determine placement for 8<sup>th</sup> grade. Based on the results of the assessment, as well as additional criteria, students will be placed in either Pre-Algebra 8 or Algebra 8. Students in Math 7 must demonstrate above average mastery of the 7<sup>th</sup> grade standards in order to be placed in the 8<sup>th</sup> grade Algebra course due to the rigor and expectations of the curriculum. Students that will transition from Math 7 to Algebra will be expected to apply pre-algebra skills necessary to be successful in Algebra. The curriculum in the Algebra class is aligned to Common Core Standards for Mathematics in Algebra, therefore the expectations of a high school level class.

In determining eligibility for higher level math classes, we use several pieces of criteria so that we can have the clearest picture of your child's mathematical ability. One of the assessments used in determining eligibility for Algebra in eighth grade is the Algebra Readiness Assessment. This assessment will be taken online only. The items on the assessment will be multiple-choice only and will be completed in one class period. Students may use paper to work out their solutions; however, the scrap paper will not be collected. Students may not use a calculator or any other tools on the assessment.

To that end, please make sure that your child has had plenty of rest and prepared for the assessment. The Algebra Readiness Assessment will take place Wednesday, June 5th during your child's regularly scheduled math period.

Mathematically yours,

Erin Fedina

<b>Algebra Curriculum</b>	<b>New Jersey Student Learning Standards</b>
Solving Linear Equations	<b>HSA-CDE.A.1, HSA-REI.A.1, HSA-REI.B.3, HSN-Q.A.1, HSA-CED.A.4</b>
Solving Linear Inequalities	<b>HSA-CED.A.1, HSA-REI.B.3,</b>
Graphing Linear Functions	<b>HSF-IF.A.1, HSA-CED.A.2, HSA-REI.D.10, HSF-IF.B.5, HSF-IF.C.7a, HSF-LE.A.1b, HSF-IF.A.2, HSF-IF.C.9, HSF-IF.B.4, HSF-LE.B.5, HSF-BF.B.3, HSF-IF.C.7b</b>
Writing Linear Functions	<b>HSF-IF.A.1, HSA-CED.A.2, HSA-REI.D.10, HSF-IF.B.5, HSF-IF.C.7a, HSF-LE.A.1b, HSF-IF.A.2, HSF-IF.C.9, HSF-IF.B.4, HSF-LE.B.5, HSF-BF.B.3, HSF-IF.C.7b</b>
Solving Systems of Linear Equations	<b>HSA-CED.A.3, HSA-REI.C.6, HSA-REI.C.5, HSA-REI.C.6, HSA-REI.D.11, HSA-REI.D.12,</b>
Exponential Functions and Sequences	<b>HSN-RN.A.2; HSN-RN.A.1; HSA-CED.A.2; HSF-IF.B.4; HSF-IF.C.7e; HSF-IF.C.9; HSF-BF.A.1a; HSF-BF.B.3; HSF-LE.A.1a; HSF-LE.A.2; HSA-SSE.B.3c; HSF-IF.C.8b; HSF-BF.A.1a; HSF-LE.A.1c; HSF-LE.A.2; HSA-CED.A.1; HSA-REI.A.1; HSA-REI.D.11; HSF-IF.A.3; HSF-BF.A.2; HSF-IF.A.3; HSF-BF.A.2;</b>
Polynomial Equations and Factoring	<b>HSA-APR.A.1; HSA-APR.B.3; HSA-REI.B.4b; HSA-SSE.A.2; HSA-SSE.B.3a;</b>
Graphing Quadratic Functions	<b>HSA-CED.A.2; HSF-IF.C.7a; HSF-BF.B.3; HSF-IF.C.9; HSF-IF.B.4; HSF-BF.A.1a; HSF-BF.B.3; HSA-SSE.B.3a; HSA-APR.B.3; HSA-CED.A.2; HSF-IF.B.4; HSF-IF.C.8a; HSF-BF.A.1a; HSF-IF.B.6; HSF-LE.A.3;</b>
Solving Quadratic Equations	<b>HSN-RN.A.2; HSN-RN.B.3; HSA-REI.D.11; HSF-IF.C.7a; HSA-CED.A.1; HSA-CED.A.4; HSA-REI.B.4b; HSA-SSE.B.3b; HSA-CED.A.1; HSA-REI.B.4a; HSA-SSE.B.3b; HSA-CED.A.1; HSA-REI.B.4a; HSA-REI.B.4b; HSF-IF.C.8a; HSA-REI.C.7; HSA-REI.D.11;</b>
Radical Functions and Equations	<b>HSA-CED.A.2; HSF-IF.B.4; HSF-IF.B.6; HSF-IF.C.7b; HSF-IF.C.9; HSF-BF.B.4a;</b>
Data Analysis and Displays	<b>HSS-ID.A.1; HSS-ID.A.2; HSS-ID.A.3; HSS-ID.B.5; HSS-ID.A.1;</b>