Mathematics Course Placement Criteria for 2019-20

NJDOE Mathematics Graduation Requirements require students to earn 15 credits including:
- **Algebra I or the content equivalent2**
- **Geometry or the content equivalent2**
- **Third year of math that builds on the concepts and skills of algebra and geometry and prepares students for college and 21st century careers**

"Content equivalent" means courses or activities that include the same or equivalent knowledge and skills as those found in traditionally titled courses which are required for high school graduation and which are aligned with the New Jersey Student Learning Standards.

Mandatory Mathematics Courses to meet the Mathematics 15 Credit requirement			
Current Course	**Course Next Year**	**Prerequisites**	**Comments**
Pre-Algebra 8 8324	Algebra 1-9 CP 93202	Completion of Pre-Algebra	
Algebra 8 8322	Plane Geometry 93230	Completion of Algebra 1	
Algebra 1 8 (Honors) 8321	Plane Geometry Honors 93221	B+ in Algebra 1 Honors **OR** A in Algebra 1-9 CP **AND** A- or higher on Quarterly Assessments **AND** Teacher Recommendation Meeting / Exceeding NJSLA-M Algebra 1	**Range of students who are in the meeting range:** **Algebra 1 : 750 – 804** **Algebra 2: 750-807** **Geometry : 750 – 782** Placement Test for New Entrants without NJSLA scores
Third year of math that builds on the concepts and skills of algebra and geometry and prepares students for college and 21st century careers could be any of the courses listed below. **If students completed Algebra in the middle school they have to take at least 3 years of math courses in the high school and will also need to sit for a mathematics assessment once in high school (Federal Requirement)- either the NJSLA-M Geometry or Algebra 2 (Class of 2020, 2021 and 2022)**			
Plane Geometry 93230	Algebra 2 Core 93333	Completion of Plane Geometry Performance Levels of 1 and 2 on NJSLA Algebra 1	
Plane Geometry 93230	Algebra 2 CP 93242	Completion of Plane Geometry with a B- or higher Completion of Algebra 1 CP with a B+ or higher NJSLA performance level of 3 or higher in Algebra 1 Performance level of 3 on Algebra 1 (725 – 769)	

Algebra 1 8 Honors 8321 or Plane Geometry 93230 or Plane Geometry Honors 93221	Algebra 2 Honors 93241	**A- in Algebra 1 Honors AND Geometry** **OR** B+ in Geometry Honors; **AND** B or higher on Geometry Quarterly Assessments **AND** Teacher recommendation Meeting (770 or higher) / Exceeding NJSLA-M Algebra 1	**Range of students who are in the meeting range:** **Algebra 1 : 750 – 804** **Algebra 2: 750-807** **Geometry : 750 – 782** Placement Test for New Entrants without NJSLA scores
Algebra 2 CP 93242 or Algebra 2 Honors 93241 or Algebra 3 Trigonometry 93250	PreCalculus CP 93260	C in Algebra 2 Honors **OR** B in Algebra 2 CP **OR** Successful completion of Algebra 3/Trigonometry **AND** Teacher recommendation **This course is being offered in conjunction with Middlesex County College.**	
Algebra 2 CP 93242 or Algebra 2 Honors 93241	PreCalculus Honors 93261	A+ in Algebra 2 CP **OR** B in Algebra 2 Honors **AND** B on the Algebra 2 Quarterly Assessments **AND** Teacher recommendation **This course is being offered in conjunction with Middlesex County College.**	
Pre-Calculus CP 93260 or Pre-Calculus Honors 93261	Calculus 93282	B in Pre-Calculus **OR** C+ in Pre-Calculus Honors **AND** Teacher recommendation **This course is offered in conjunction with Middlesex County College.**	
Pre-Calculus Honors 93261	AP Calculus AB 93361	Application, Point Scale based on Year to Date Grade, Previous Year Math Grade, Algebra 1 NJSLA or Geometry NJSLA	
Pre-Calculus Honors 93261	AP Calculus BC 93371	Application, Point Scale based on Year to Date Grade, Previous Year Math Grade, Algebra 1 NJSLA or Geometry NJSLA	
Pre-Calculus Honors 93261	AP Statistics 93381	Application, Point Scale based on Year to Date Grade, Previous Year Math Grade, Algebra 1 NJSLA or Geometry NJSLA	
Algebra 1-9 CP 93202 Plane Geometry 93230	Fundamentals of College Algebra 93342	Successful completion of Algebra 1 and Geometry Open to students in Grade 11,12 **AND /OR** potential graduates. **This course is being offered in conjunction with Middlesex County College.**	Only waivers for those 'missing' data due to transfers, etc. No changes over summer. Open to Grade 11
Algebra 2 CP 93242	Algebra 3 Trigonometry 93250	D in Algebra 2 Honors **OR** C or better in Algebra 2	

or Algebra 2 Honors 93241			
Pre-Calculus CP 93260 or Algebra 3 Trigonometry 93250	Statistics 93270	B- in Algebra 3/Trigonometry C in Pre-Calculus Teacher Recommendation **This course is being offered in conjunction with Middlesex County College.**	Open to Grade 11 and Grade 12
	Preparing for SAT 91540	Grades 10-12	
Algebra 1-9 CP 93202	Math 104 93064	Current enrollment in Algebra 1 (9th Grade) **AND/OR** Not meeting or partially meeting expectations on NJSLA-M (Grade 8) Supervisor Recommendation	
Plane Geometry 93230	Math 204 93074	Current enrollment in Plane Geometry (10th Grade) **AND / OR** Not meeting or partially meeting expectations on NJSLA-M (Algebra 1) Supervisor Recommendation	
	Math 404 A (Fall) Math 404 B (Spring) 93094	Standardized test scores Supervisor Recommendation	Open to Grade 12 students only

Movement between Subjects	Grades
Geometry CP → Algebra 2 Core (Open to Grades 10,11, 12)	C+ or below in Geometry and Algebra 1
Geometry CP → Algebra 2 CP (Open to Grades 10,11, 12)	B- or higher in Geometry and Algebra 1
Geometry CP → Algebra 2 Honors (Open to Grades 9,10)	A range in Algebra 1 Honors and B range in Geometry
Algebra 2 Honors → PreCalculus CP	D students can be enrolled in PreCalculus CP
Algebra 2 Honors → Algebra 3 Trigonometry	
Algebra 2 CP → Fundamentals of College Algebra	D student can enroll into Fundamentals or Algebra 3 Trigonometry
Algebra 2 CP → Algebra 3 and Trigonometry	
Algebra 2 CP → Statistics	
Algebra POR → Geometry POR → Everyday Algebra→ Fundamentals ICR	
Algebra POR → Geometry POR → Everyday Algebra→ Algebra 2 CP ICR	

Middle School Mathematics Course Placement Criteria for 2019-20

Grade 6 Mathematics Course Codes and Requirements			
Current Course	**Course Next Year**	**Prerequisites**	**Comments**
Grade 5 Math	Advanced Math 6301a	District Advanced Honors Mathematics Test Teacher Performance Survey NJSLA Grade 4 Meeting or Exceeding only (Meeting 770 or higher) Form A → Form B growth points	By invitation only Textbook : Holt Geometry Larson Placement Test for New Entrants without NJSLA scores
Grade 5 Math	Math 6 6300	Completion of Grade 5 Math NJSLA Grade 4 Meeting or Approaching only (Score Range 725-769)	Textbook : Course 1, Volume 1 and Volume 2 Glencoe
Grade 5 Math	Math 6 6304	Predetermined Entrance Criteria Teacher Recommendation RTI Team recommendations	Textbook : Course 1, Volume 1 and Volume 2 Glencoe By invitation only
Grade 7 Mathematics Course Codes and Requirements			
Current Course	**Course Next Year**	**Prerequisites**	**Comments**
Advanced Math 6301a	Algebra 7 7301a	Completion of 6301a B, B+ in MP1 and MP2 Exceeding in Grade 5 NJSLA Teacher Recommendations	NJSLA Algebra 1 is prerequisite score to be placed in AP Mathematics Scores Textbook: Houghton Mifflin
Math 6 6300	Pre-Algebra Accelerated 7301	A-,A, A+ in MP1 and MP2 A-, A,A+ in Quarterly1 and Quarterly 2 Exams Meeting (770 or higher) or Exceeding in Grade 5 NJSLA	If a student scores below a 770 on Math 7 NJSLA there is a probability that the student can be moved to 8322 (Algebra 1 CP) The student should meet 2 of the 3 criteria **Range of students who are in the meeting range** **Grade 6: 750 - 787** **Grade 7: 750 – 785** **Grade 8: 750 – 800** **Algebra 1: 750 - 804** **Geometry : 750 - 782** Textbook: Glencoe Pre-Accelerated
Math 6 6300	Pre-Algebra 7302	B-,B, B+ in MP1 and MP2 B-, B, B+ in Quarterly1 and Quarterly 2 Exams Approaching or Meeting proficiency levels (725-770) in Grade 5 NJSLA	**Textbook : Course 2, Volume 1 and Volume 2 Glencoe**
Math 6 6300	Math 7 7304	C-,C,C+ in MP1 and MP2 D-,D,D+ in Quarterly 1 and Quarterly 2 Exams Partially Meeting and Did not meet proficient levels (650-724) in Grade 5 NJSLA Teacher Recommendations	**Textbook : Course 2, Volume 1 and Volume 2 Glencoe**

Grade 8 Mathematics Course Codes and Requirements			
Current Course	**Course Next Year**	**Prerequisites**	**Comments**
Algebra 7 7301a	Geometry Honors 8311	Completion of 7301a B, B+ in MP1 and MP2 Teacher Recommendation Meeting (770 or higher) or Exceeding in Grade 6 NJSLA	NJSLA Algebra 1 and Geometry scores are prerequisite scores to be placed in AP Mathematics Scores Textbook: Holt Geometry by Larson Placement Test for New Entrants without NJSLA scores Students enrolled in 7301a move to 8311.
Pre-Algebra Accelerated 7301	Algebra 1 8 (Honors) 8321	A or higher in MP1 and MP2 A or higher in Quarterly 1 and Quarterly 2 Exams Meeting (770 or higher) or Exceeding in Grade 6 NJSLA	If a student scores below a 770 on Math 7 NJSLA there is a probability that the student can be moved to 8322 (Algebra 1 CP) Textbook: Houghton Mifflin Algebra 1 by Larson The student should meet 2 of the 3 criteria Placement Test for New Entrants without NJSLA scores **Range of students who are in the meeting range** **Grade 6: 750 - 787** **Grade 7: 750 – 785** **Grade 8: 750 – 800** **Algebra 1: 750 - 804** **Geometry : 750 - 782**
Pre-Algebra Accelerated 7301 Or Pre-Algebra 7302	Algebra 8 (CP) 8322	B-,B, B+ in MP1 and MP2 B-, B, B+ in Quarterly1 and Quarterly 2 Exams Approaching or Meeting proficiency levels (725-769) in Grade 6 NJSLA	If a student scores below a 770 on Algebra 1 NJSLA there is a probability that the student can be moved to Plane Geometry CP. Textbook: HMH Big Ideas by Larson The student should meet 2 of the 3 criteria **Range of students who are in the meeting range** **Grade 6: 750 - 787** **Grade 7: 750 – 785** **Grade 8: 750 – 800** **Algebra 1: 750 - 804** **Geometry : 750 – 782** • NJSLA Algebra 1 is prerequisite score to be placed in AP Mathematics Scores
Math 7 7304	Pre-Algebra 8 8324	C-,C,C+ in MP1 and MP2 D-,D,D+ in Quarterly 1 and Quarterly 2 Exams Partially Meeting and Did not meet proficient levels (650-724) in Grade 6 NJSLA Teacher Recommendations	Holt McDougell