



Glassboro Public Schools
Office of Curriculum and Instruction

Course Name: Grade 8 Math Lab	Grade Level: 8
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BOE Adoption Date:	Revision Date(s): Summer 2023

Course Description

- Grade 8 Math Lab is a dynamic and interactive course supporting the 8th Grade New Jersey Student Learning Standards for Mathematics.
- Its purpose is to provide an opportunity for students to receive *direct help from their teacher* to support their learning in meeting all eighth grade math objectives.
- Course content includes the daily lessons included below, as well as iXL’s Real Time Diagnostic Tool.
 - Daily lessons were created using [released NJSLA problems](#) and the “Are You Ready?” activities from our [HMH Into Math Grade 8 Textbook](#).
 - Note that iXL is not to be assigned as a ‘study hall’ approach.
 - Students will work in the Real-Time Diagnostic Tool and will receive teacher assistance when working on their specific suggested strands.

Part 1 of each Daily Lesson

Grade 8					
Lesson 1	Lessons 16 & 17	Lesson 31	Lessons 46 & 47	Lessons 62 & 63	Lesson 76
Lesson 2	Lesson 18	Lessons 32 & 33	Lesson 48	Lesson 64	Lesson 77
Lesson 3	Lesson 19	Lesson 34	Lesson 49	Lesson 65	Lesson 78
Lesson 4	Lesson 20	Lesson 35	Lesson 50	Lesson 66	Lesson 79
Lesson 5	Lesson 21	Lesson 36	Lesson 51	Lesson 67	Lesson 80
Lesson 6	Lesson 22	Lesson 37	Lesson 52	Lesson 68	Lesson 81
Lesson 7	Lesson 23	Lesson 38	Lesson 53	Lessons 69 & 70	Lesson 82
Lesson 8	Lesson 24	Lesson 39	Lessons 54 & 55	Lesson 71	Lesson 83
Lesson 9	Lesson 25	Lesson 40	Lesson 56	Lessons 72 & 73	Lesson 84
Lesson 10	Lesson 26	Lesson 41	Lesson 57	Lesson 74	Lesson 85
Lesson 11	Lessons 27 & 28	Lesson 42	Lessons 58 & 59	Lesson 75	Lesson 86
Lesson 12	Lesson 29	Lesson 43	Lessons 60 & 61		Lesson 87
Lesson 13	Lesson 30	Lesson 44			Lesson 88
Lessons 14 & 15		Lesson 45			Lesson 89
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Note that these problems are on or just below grade level.

Students may struggle with some problems, but that does not mean they should be skipped.

Instead, students should be guided through solving each problem.

This will strengthen problem solving skills, improve resilience and perseverance, and increase confidence.

Part 2 of each Daily Lesson

The iXL Real-Time Diagnostic provides up-to-the-minute insight into student proficiency. The diagnostic assesses students' current knowledge, pinpoints their grade-level proficiency, and creates a personalized action plan to guide them to the IXL skills that will nurture their academic growth. The Real-time Diagnostic is designed to meet all students' needs, including those who are struggling and those in need of enrichment.

- Students will work in the [Diagnostic Hub \(video\)](#) in the second portion of each class session.
- Here is the [Real-Time Diagnostic Quick Start Guide](#).
 - Students will step into the 'arena' to be 'diagnosed'.
 - Initially, students will work independently to complete 10-15 problems that will identify which specific skills are suggested.
 - Students will then 'review their levels' and work to 'strengthen their skills' in specific 'suggested strands'.

- *This provides an opportunity for the teacher to work directly with students, providing support as needed.*
 - Students can often enter the ‘arena’ to be ‘diagnosed’ and receive more ‘suggested strands’.
 - It is suggested the teacher become familiar with the Real-Time Diagnostic, and the analytics that it offers.
 - Here are additional [iXL Real-Time Diagnostic Resources](#).

Standards included, but not limited to:

7.C.2	7.G.4-1	7.RP.3-2
7.C.7.3	7.NS.1	7.SP.4
7.C.8	7.NS.1a	7.SP.6
7.D.1	7.NS.1c-1	7.SP.7a
7.D.2	7.NS.2a-1	7.SP.8
7.D.3	7.NS.2b-2	8.C.1.2
7.EE.1	7.NS.3	8.C.3.3
7.EE.2	7.RP.1	8.C.6
7.EE.3	7.RP.2	8.D.1
7.EE.4	7.RP.2a	8.D.2
7.EE.4a-1	7.RP.2b	8.D.3
7.EE.4a-2	7.RP.2c	8.EE.1
7.G.1	7.RP.2d	8.EE.2
7.G.3	7.RP.3	8.EE.3

8.EE.5
8.EE.5-1
8.EE.5-2
8.EE.6-1
8.EE.7.b
8.EE.8
8.EE.8a
8.EE.8b-1
8.EE.8b-2
8.EE.C.Int.1
8.F.1-1
8.F.1-2
8.F.2
8.F.3-2
8.F.4
8.F.5-1
8.G.1a
8.G.2
8.G.5
8.G.7-1
8.G.9
8.NS.1
8.NS.2
8.SP.2