State of Iowa
Dynamic Learning Maps (DLM)
Fall & Winter Assessment Windows
Math Individual Student Test Blueprint
2020-2021

This document contains 1) Mathematics Essential Elements instructional resources, 2) State of Iowa's Dynamic Learning Maps assessment requirements & timelines and 3) State of Iowa's grade level Mathematics Test Blueprint for individual students.

1. **Iowa Core Mathematics Essential Elements Instructional Resources**
   - Iowa Core "Unpacked" Mathematics Essential Elements
   - Iowa Core Essential Elements Mathematics
   - Initial and Distal Precursor Extended Descriptors
   - Guide to the Foundational Area of the Learning Maps
   - DLM Foundational Area Learning Map
   - DLM Professional Development Modules Claims 1-4
   - DLM Math Glossary
   - Pinterest Boards This entry was posted in Blog post on September 8, 2015 by Dynamic Learning Maps Professional Development
     - DLM: Compose and Decompose Numbers https://www.pinterest.com/cgreer7/dlm-math-compose-and-decompose-numbers/
     - DLM: Data Analysis and Probability https://www.pinterest.com/cgreer7/dlm-math-data-analysis-and-probability/
     - DLM: Functions https://www.pinterest.com/cgreer7/dlm-math-functions/
     - DLM: Geometry https://www.pinterest.com/cgreer7/dlm-math-geometry/
     - DLM: Instructional Practice https://www.pinterest.com/cgreer7/dlm-math-instructional-practice/
     - DLM: Measurement https://www.pinterest.com/cgreer7/dlm-math-measurement/
     - DLM: Number Sense https://www.pinterest.com/cgreer7/dlm-math-number-sense/
     - DLM: Operations https://www.pinterest.com/cgreer7/dlm-operations/
     - DLM: Patterning and Algebra https://www.pinterest.com/cgreer7/dlm-math-patterning-and-algebra/

For more information regarding Iowa Core mathematics instructional supports and resources please contact jennifer.denne@iowa.gov.

2. **State of Iowa's DLM Assessment Requirements & Timelines**

The specific EEs for each grade are listed in tables beginning on page 3. Teachers are required to teach and assess the required number of EEs during each assessment window (see table 2). Any student not assessed on the required EEs within each assessment window will be considered an exclusion unless granted exception by the Iowa Department of Education. Individual Education Plan (IEP) teams must request this exception yearly before the end of the Spring Assessment Window from the Iowa Department of Education by contacting jennifer.denne@iowa.gov.

Table 1 - Number of Math Testlets Required to be assessed in Each Assessment Window

Math Grade Level	Fall Phase 1 Assessment Window 9/14/20-10/30/20	Fall Phase 2 Assessment Window 11/2/20-12/18/20	Spring 1 Assessment Window 2/1/21-3/26/21	Spring 2 Assessment Window 3/29/21-5/21/21
3	3	3	3	3
4	4	4	4	4
5	3	4	3	4
6	3	3	3	3
7	3	4	3	4
8	3	4	3	4
9	3	3	3	3
10	3	3	3	3
11	3	3	3	3

3. State of Iowa's Grade Level Test Blueprints

Tested EEs are organized according to the claims and conceptual areas (See table 2). The specific EE for each grade is listed in tables beginning on page 4.

Table 2

Major Claim	Conceptual Area
Number Sense: Students demonstrate increasingly complex understanding of number sense.	MC 1.1 - Understand number structures (counting, place value, fraction) MC 1.2 - Compare, compose, and decompose numbers and sets MC 1.3 - Calculate accurately and efficiently using simple arithmetic operations
Geometry: Students demonstrate increasingly complex spatial reasoning and understanding of geometric principles.	MC 2.1 - Understand and use geometric properties of two- and three-dimensional shapes MC 2.2 - Solve problems involving area, perimeter, and volume
Measurement Data and Analysis: Students demonstrate increasingly complex understanding of measurement, data, and analytic procedures.	MC 3.1 - Understand and use measurement principles and units of measure MC 3.2 - Represent and interpret data displays
Algebraic and functional reasoning: Students solve increasingly complex mathematical problems, making productive use of algebra and functions.	MC 4.1. - Use operations and models to solve problems MC 4.2 - Understand patterns and functional thinking

In this document, the term "blueprint" refers to the required tested Essential Elements (EEs) and coverage within each conceptual area of the DLM Alternate Assessment. **Each EE is tested one time during the Fall Phase 1 and Fall Phase 2 Assessment Windows as well as one time during the Spring Phase 1 and Spring Phase 2 Assessment Windows.** Teachers are required to use the State of Iowa Test Blueprints and maintain the test blueprint in the student's cumulative folder.

The DLM Math Alternate Assessment includes four assessment windows- Fall Phase 1, Fall Phase 2, Spring Phase 1, and Spring Phase 2. **During the instructionally embedded Fall and Spring Assessment Windows, teachers are required to use the State of Iowa's DLM Math Individual Student Test Blueprint document to identify EEs required at each grade level and record these EEs within DLM KITE Educator Portal Instruction and Assessment Planner "The Planner" as instructional plans.** Teachers choose which EEs to instruct and assess during each Phase 1 and Phase 2 assessment windows. Other EEs may be selected as additional assessments.

Grade 3: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
3	3	3	3	3

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	3.NBT.2	Demonstrate understanding of place value to tens.								
M.C1.3	3.OA.4	Solve addition and subtraction problems when result is unknown, limited to operands and results within 20.								
M.C2.2	3.G.2	Recognize that shapes can be partitioned into equal areas.								
M.C3.1	3.MD.4	Measure length of objects using standard tools, such as rulers, yardsticks, and meter sticks.								
M.C3.2	3.MD.3	Use picture or bar graph to answer questions about data.								
M.C4.1	3.OA.1-2	Use repeated addition to find the total number of objects and determine the sum.								

Grade 3: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	3 NBT.3	Count by tens using models such as objects, base ten blocks, or money.								
M.C1.1	3.NF.1-3	Differentiate a fractional part from a whole.								
M.C3.1	3.MD.1	Tell time to the hour on a digital clock.								
M.C4.1	3.OA.8	Solve one-step real world problems using addition or subtraction within 20.								
M.C4.2	3.OA.9	Identify arithmetic patterns.								

Grade 4: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
4	4	4	4	4

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	4.NF.1-2	Identify models of one half (1/2) and one fourth (1/4).								
M.C1.3	4.NBT.4	Add and subtract two-digit whole numbers.								
M.C2.1	4.G.1	Recognize parallel lines and intersecting lines.								
M.C.2.2	4.MD.3	Determine the area of a square or rectangle by counting units of measure (unit squares).								
M.C3.1	4.MD.2.d	Identify coins (penny, nickel, dime, quarter) and their values.								
M.C3.2	4.MD.4.b	Interpret data from a picture or bar graph.								
M.C4.1	4.OA.3	Solve one-step real-world problems using addition or subtraction within 100.								
M.C4.2	4.OA.5	Use repeating patterns to make predictions.								

Grade 4: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	4.NF.3	Differentiate between whole and half.								
M.C1.2	4.NTB.2	Compare whole numbers to 10 using symbols (<,>, =)								
M.C1.2	4.NBT.3	Round any whole number 0-30 to the nearest ten.								
M.C2.1	4.MD.5	Recognize angles in geometric shapes.								
M.C2.1	4.MD.6	Identify angles as larger and smaller.								
M.C3.1	4.MD.2.a	Tell time using a digital clock. Tell time to the nearest hour using an analog clock.								
M.C3.1	4.MD.2.b	Measure mass or volume using standard tools.								
M.C4.1	4.OA.1-2	Demonstrate the connection between repeated addition and multiplication.								

Grade 5: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
5	3	4	3	4

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	5.NF.1	Identify models of halves (1/2, 2/2) and fourths (1/4, 2/4, 3/4, 4/4).								
M.C1.2	5.NBT.1	Compare numbers up to 99 using base ten models.								
M.C1.3	5.NBT.6-7	Illustrate the concept of division using fair and equal shares.								
M.C2.1	5.G.1-4	Sort two-dimensional figures and identify the attributes (angles, number of sides, corners, color) they have in common.								
M.C3.1	5.MD.1.a	Tell time using an analog or digital clock to the half or quarter hour.								
M.C3.2	5.MD.2	Represent and interpret data on a picture, line plot, or bar graph.								
M.C4.2	5.OA.3	Identify and extend numerical patterns.								

Grade 5: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	5.NF.2	Identify models of thirds (1/3, 2/3, 3/3) and tenths (1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10).								
M.C1.2	5.NBT.3	Compare whole numbers up to 100 using symbols (<, >, =).								
M.C1.2	5.NBT.4	Round two-digit whole numbers to the nearest 10 from 0-90.								
M.C1.3	5.NBT.5	Multiply whole numbers up to 5x5.								
M.C2.1	5.MD.3	Identify common three-dimensional shapes.								
M.C2.2	5.MD.4-5	Determine the volume of a rectangular prism by counting units of measure (unit cubes).								
M.C3.1	5.MD.1.b	Use standard units to measure weight and length of objects.								
M.C3.1	5.MD.1.c	Indicate relative value of collections of coins.								

Grade 6: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
6	3	3	3	3

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	6.RP.1	Demonstrate a simple ratio relationship.								
M.C1.3	6.NS.2	Apply the concept of fair share and equal shares to divide.								
M.C2.2	6.G.1	Solve real-world and mathematical problems about area using unit squares.								
M.C3.2	6.SP.5	Summarize data distributions shown in graphs or tables.								
M.C4.1	6.EE.3	Apply the properties of addition to identify equivalent numerical expressions.								
M.C4.1	6.EE.5-7	Match an equation to a real-world problem in which variables are used to represent numbers.								

Grade 6: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.2	6.NS.1	Compare the relationships between two unit fractions.								
M.C1.2	6.NS.5-8	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero).								
M.C1.3	6.NS.3	Solve two-factor multiplication problems with products up to 50 using concrete objects and/or a calculator.								
M.C2.2	6.G.2	Solve real-world and mathematical problems about volume using unit cubes.								
M.C4.1	6.EE.1-2	Identify equivalent number sentences.								

Grade 7: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
7	3	4	3	4

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	7.NS.2.c-d	Express a fraction with a denominator of 10 as a decimal.								
M.C1.3	7.NS.1	Add fractions with like denominators (halves, thirds, fourths, and tenths) with sums less than or equal to one.								
M.C1.3	7.NS.2.a	Solve multiplication problems with products to 100.								
M.C2.1	7.G.1	Match two similar geometric shapes that are proportional in size and in the same orientation.								
M.C2.2	7.G.4	Determine the perimeter of a rectangle by adding the measures of the sides								
M.C3.2	7.SP.3	Compare two sets of data within a single data display such as a picture graph, line plot, or bar graph.								
M.C4.1	7.EE.1	Use the properties of operations as strategies to demonstrate that expressions are equivalent.								

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20- 10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20- 10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20- 12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20- 12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21- 3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21- 3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21- 5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21- 5/21/21 Date Assessed
M.C1.1	7.RP.1-3	Use a ratio to model or describe a relationship.								
M.C1.2	7.NS.3	Compare quantities represented as decimals in real world examples to tenths.								
M.C1.3	7.NS.2.b	Solve division problems with divisors up to five and also with a divisor of 10 without remainders.								
M.C2.1	7.G.2	Recognize geometric shapes with given conditions.								
M.C2.1	7.G.5	Recognize angles that are acute, obtuse, and right.								
M.C3.2	7.SP.5-7	Describe the probability of events occurring as possible or impossible.								
M.C4.2	7.EE.2	Identify an arithmetic sequence of whole numbers with a whole number common difference.								

Grade 8: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
8	3	4	3	4

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.1	8.NS.2.a	Express a fraction with a denominator of 100 as a decimal.								
M.C1.3	8.NS.1	Subtract fractions with like denominators (halves, thirds, fourths, and tenths) with minuends less than or equal to one.								
M.C2.1	8.G.2	Identify shapes that are congruent.								
M.C2.2	8.G.9	Use the formulas for perimeter, area, and volume to solve real-world and mathematical problems (limited to perimeter and area of rectangles and volume of rectangular prisms).								
M.C3.2	8.SP.4	Construct a graph or table from given categorical data and compare data categorized in the graph or table.								
M.C4.1	8.EE.7	Solve simple algebraic equations with one variable using addition and subtraction.								

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C4.2	8.F.1-3	Given a function table containing at least 2 complete ordered pairs, identify a missing number that completes another ordered pair (limited to linear functions).								

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.2	8.NS.2.b	Compare quantities represented as decimals in real-world examples to hundredths.								
M.C1.3	8.EE.1	Identify the meaning of an exponent (limited to exponents of 2 and 3).								
M.C2.1	8.G.1	Recognize translations, rotations, and reflections of shapes.								
M.C2.1	8.G.4	Identify similar shapes with and without rotation.								
M.C2.1	8.G.5	Compare any angle to a right angle and describe the angle as greater than, less than, or congruent to a right angle.								
M.C4.2	8.EE.2	Identify a geometric sequence of whole numbers with a whole number common ratio.								
M.C4.2	8.F.4	Determine the values or rule of a function using a graph or a table.								

Grade 9: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
9	3	3	3	3

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.3	N-CN.2.b	Solve real-world problems involving addition and subtraction of decimals, using models when needed.								
M.C1.3	N-CN.2.c	Solve real-world problems involving multiplication of decimals and whole numbers, using models when needed.								
M.C2.1	G-CO.1	Know the attributes of perpendicular lines, parallel lines, and line segments; angles, and circles.								
M.C2.1	G-MG.1-3	Use properties of geometric shapes to describe real-life objects.								
M.C2.2	G-GPE.7	Find perimeter and area of squares and rectangles to solve real-world problems.								
M.C4.1	A-SSE.1	Identify an algebraic expression involving one arithmetic operation to represent a real-world problem.								

Grade 9: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/9/19-11/1/19 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/9/19-11/1/19 Date Assessed	Fall 2 Assessment Window 11/4/19-12/20/19 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/4/19-12/20/19 Date Assessed	Spring 1 Assessment Window 2/3/20-3/20/20 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/3/20-3/20/20 Date Assessed	Spring 2 Assessment Window 3/23/20-5/15/20 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/23/20-5/15/20 Date Assessed
M.C1.3	N-CN.2.a	Use the commutative, associative, and distributive properties to add, subtract, and multiply whole numbers.								
M.C4.1	A-SSE.3	Solve simple algebraic equations with one variable using multiplication and division.								

Grade 10: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
10	3	3	3	3

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.3	S-CP.1-5	Identify when events are independent or dependent.								
M.C3.1	N-Q.1-3	Express quantities to the appropriate precision of measurement.								
M.C3.2	S-ID.4	Calculate the mean of a given data set (limit the number of data points to fewer than five).								
M.C4.1	A-CED.1	Create an equation involving one operation with one variable and use it to solve a real-world problem.								
M.C4.1	A-CED.2-4	Solve one-step inequalities.								
M.C4.2	F.BF.1	Select the appropriate graphical representation (first quadrant) given a situation involving constant rate of change.								

Grade 10: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20- 10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20- 10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20- 12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20- 12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21- 3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21- 3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21- 5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21- 5/21/21 Date Assessed
M.C2.1	G-CO.4-5	Given a geometric figure and a rotation, reflection, or translation of that figure, identify the components of the two figures that are congruent.								
M.C3.2	S-ID.1-2	Given data, construct a simple graph (table, line, pie, bar, or picture) and interpret the data.								
M.C4.2	A-REI.10-12	Interpret the meaning of a point on the graph of a line.								

Grade 11: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements   Student Name _____

Grade Level	Fall 1 Assessment Window	Fall 2 Assessment Window	Spring 1 Assessment Window	Spring 2 Assessment Window
11	3	3	3	3

Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C1.3	N-RN.1	Determine the value of a quantity that is squared or cubed.								
M.C1.3	S-IC.1-2	Determine the likelihood of an event occurring when the outcomes are equally likely to occur.								
M.C2.1	G-CO.6-8	Identify corresponding congruent and similar parts of shapes.								
M.C3.2	S-ID.3	Interpret general trends on a graph or chart.								
M.C4.2	F.IF.1-3	Use the concept of function to solve problems.								
M.C4.2	F-IF.4-6	Construct graphs that represent linear functions with different rates of change and interpret which is faster/slower, higher/lower, etc.								

Not Required

Conceptual Area	Essential Elements/ Testlet	Description Click on description to access the Essential Element and Mini-Map	Fall 1 Assessment Window 9/14/20-10/30/20 Date in IAP and Linkage Level	Fall 1 Assessment Window 9/14/20-10/30/20 Date Assessed	Fall 2 Assessment Window 11/2/20-12/18/20 Date in IAP and Linkage Level	Fall 2 Assessment Window 11/2/20-12/18/20 Date Assessed	Spring 1 Assessment Window 2/1/21-3/26/21 Date in IAP and Linkage Level	Spring 1 Assessment Window 2/1/21-3/26/21 Date Assessed	Spring 2 Assessment Window 3/29/21-5/21/21 Date in IAP and Linkage Level	Spring 2 Assessment Window 3/29/21-5/21/21 Date Assessed
M.C4.2	A-SSE.4	Determine the successive term in a geometric sequence given the common ratio.								
M.C4.2	F-BF.2	Determine an arithmetic sequence with whole numbers when provided a recursive rule.								
M.C4.2	F-LE.1-3	Model a simple linear function such as y=mx to show that these functions increase by equal amounts over equal intervals.								