



Career and College Readiness

Common Core Alignment to LEAP and DQP



- The Common Core State Standards (CCSS) are academic standards for which content areas?
- The CCSS prepare students for career and college – true or false?

Why the CCSS?

Originally:

- Shared expertise and resources
- Coherence
- Focus

Other benefits:

- Shared conversations

Michigan Literacy Anchor Standards	Michigan Mathematics Practices
Technology and Tools	
<ul style="list-style-type: none"> • Integrate and evaluate content presented in diverse formats and media • Use digital media and visual displays of data to express information; produce and publish writing, interact and collaborate with others; and gather relevant information from multiple sources 	<ul style="list-style-type: none"> • Use appropriate tools strategically • Model with mathematics
Argument and Reasoning	
<ul style="list-style-type: none"> • Evaluate argument and claims in a text, speech, or write arguments to support claims • Draw evidence from literary and informational texts to support analysis, reflection, and research • Present information, findings, and supporting evidence 	<ul style="list-style-type: none"> • Construct viable arguments and critique the reasoning of others • Reason abstractly and quantitatively
Communication and Collaboration	
<ul style="list-style-type: none"> • Evaluate argument and claims in a text, speech, or write arguments to support claims • Draw evidence from literary and informational texts to support analysis, reflection, and research • Present information, findings, and supporting evidence 	<ul style="list-style-type: none"> • Attend to precision
Problem Solving	
<ul style="list-style-type: none"> • Effectively converse and collaborate with diverse partners • Use language to comprehend more fully when reading or listening • Produce clear and coherent writing 	<ul style="list-style-type: none"> • Make sense of problems and persevere in solving them. • Look for and make sense of structure. • Look for and express regularity in repeated reasoning



Demonstrate the ability to interpret, analyze, and build functions that model real-world phenomena.

Summative Assessment – Grade 11

**Interim Assessment Blocks (IAB)
Algebra & Functions**

Linear
Functions

Quadratics

Exponentials

Polynomials

Rationals

Radicals

Trigonometric

Common Core Domain Supports

- Quantities
- Interpreting Functions
- Linear Models
- Building Functions
- Reasoning w/Equations & Inequalities
- Creating

Equations

- Interpreting Functions
- Building Functions
- Complex Numbers
- Seeing Structure in Expressions
- Reasoning w/Equations &

Inequalities

- Real Number System
- Seeing Structure in Expressions
- Creating Equations
- Reasoning w/Equations & Inequalities
- Interpreting
- Building Functions

- Real Number Systems
- Complex Numbers
- Seeing Structure in Expressions
- Arithmetic w/ Polynomial & Rational Expressions
- Reasoning w/Equation &

Inequalities

- Real Number Systems
- Seeing Structure in Expressions
- Reasoning w/Equations & Inequalities
- Interpreting Functions
- Building Functions

- Interpreting Functions
- Trigonometric Functions

High School

Demonstrate the ability to interpret, analyze, and build functions that model real-world phenomena.

Apply statistical and probability concepts to analyze and evaluate potential decisions and strategies.

Understand the concepts of congruence, similarity, and symmetry from the perspective of geometric transformations.

Middle School

Understand quantitative relationships including ratios, rates and proportional reasoning.

Formulate and reason about expressions and equations.

Develop statistical thinking and use to model and describe relationships between two quantities.

Use properties of shapes and space to solve problems

Elementary School

Understanding fractions, fraction equivalence, and operations with fractions (3-5)

Multiplication and division of whole numbers (3-5)

Understand place value, and addition and subtraction of whole numbers (K-2)

Understanding linear, area and volume measurement (1-5)

Describing and analyzing geometric figures (K-5)



