Instructional Areas

COMMON CORE STATE STANDARDS

HIGH SCHOOL MATHEMATICS

Tests

- Growth: Algebra 1 CCSS 2010
- Growth: Algebra 2 CCSS 2010
- Growth: Geometry CCSS 2010
- Growth: Integrated Mathematics 1 CCSS 2010
- Growth: Integrated Mathematics 2 CCSS 2010
- Growth: Integrated Mathematics 3 CCSS 2010

Standards

- Common Core State Standards Mathematics: 2010

Instructional areas and sub-areas are derived from the structure of state academic standards. The general content areas that appear across grade levels in a set of standards become the instructional areas. Instructional areas are further divided into common instructional sub-areas.

Content Specialists align items from the NWEA™ item bank to these standards. The MAP® Growth™ assessments and associated reports for teachers and students are based upon this alignment and grouping of standards.

Growth: Algebra 1 CCSS 2010

1. Equations and Inequalities
    a. Reason Quantitatively and Use Units
    b. Creating Equations and Inequalities
    c. Reasoning with Equations and Inequalities
2. Numerical and Algebraic Expressions
    a. The Real Number System
    b. Seeing Structure in Expressions
    c. Arithmetic with Polynomials
3. Functions
    a. Interpreting Functions
    b. Building Functions
    c. Linear and Exponential Models
4. Descriptive Statistics
    a. Interpreting Categorical and Quantitative Data

Growth: Algebra 2 CCSS 2010

1. Equations and Inequalities
    a. Creating Equations and Inequalities
    b. Reasoning with Equations and Inequalities
2. Numerical and Algebraic Expressions
    a. The Complex Number System
    b. Seeing Structure in Expressions
    c. Arithmetic with Polynomials and Rational Functions
3. Functions
    a. Interpreting Functions
    b. Building Functions
    c. Linear, Exponential, and Trigonometric Functions
4. Descriptive Statistics
    a. Descriptive Statistics

Growth: Geometry CCSS 2010

1. Congruence, Similarity, Right Triangles, & Trig
    a. Congruence
    b. Similarity, Right Triangles, and Trigonometry
2. Geometric Properties with Equations and Circles
    a. Expressing Geometric Properties with Equations
    b. Understand and Apply Theorems About Circles
3. Geometric Measurement and Modeling
    a. Geometric Measurement and Dimension
    b. Modeling with Geometry
4. Applications of Probability
    a. Applications of Probability

Growth: Integrated Mathematics 1 CCSS 2010

1. Algebra and Quantities
    a. Reason Quantitatively and Use Units
    b. Creating Equations and Inequalities
    c. Reasoning with Equations and Inequalities
    d. Seeing Structure in Expressions
2. Functions
    a. Interpreting Functions
    b. Building Functions
    c. Linear and Exponential Models
3. Geometry
    a. Congruence
    b. Expressing Geometric Properties with Equations
4. Descriptive Statistics
    a. Interpreting Categorical and Quantitative Data

Growth: Integrated Mathematics 2 CCSS 2010

1. Algebra and Number
    a. The Real Number System
    b. The Complex Number System
    c. Creating Equations and Inequalities
    d. Reasoning with Equations and Inequalities
    e. Seeing Structure in Expressions
    f. Arithmetic with Polynomials
2. Functions
    a. Interpreting Functions
    b. Building Functions
    c. Linear, Exponential, and Trigonometric Functions
3. Geometry
    a. Congruence
    b. Similarity, Right Triangles, and Trigonometry
    c. Circles
    d. Expressing Geometric Properties with Equations
    e. Geometric Measurement and Dimension
4. Applications of Probability
    a. Applications of Probability

Growth: Integrated Mathematics 3 CCSS 2010

1. Algebra and Number
    a. The Complex Number System
    b. Seeing Structure in Expressions
    c. Arithmetic with Polynomials and Rational Expressions
    d. Creating Equations and Inequalities
    e. Reasoning with Equations and Inequalities
2. Functions
    a. Interpreting Functions
    b. Building Functions
    c. Linear, Exponential, and Trigonometric Functions
3. Geometry
    a. Geometry
4. Descriptive Statistics
    a. Descriptive Statistics