

Middle School – ELA Goals

ELA 6

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in ELA 6 will increase from:

91% at the end of 2008-09 to 94% at the end of 2009-10,
as assessed by the ELA 6 assessment.

Goal 2: The percentage of students who will be at or above mastery (Level 4) in ELA 6 will increase from:

13% at the end of 2008-09 to 16% at the end of 2009-10,
as assessed by the ELA 6 assessment.

Skills to Improve:

- Writing and vocabulary
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ELA 7

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in ELA 7 will increase from:

96% at the end of 2008-09 to 99% at the end of 2009-10,
as assessed by the ELA 7 assessment.

Goal 2: The percentage of students who will be at or above mastery (Level 4) in ELA 7 will increase from:

12% at the end of 2008-09 to 15% at the end of 2009-10,
as assessed by the ELA 7 assessment.

Skills to Improve:

- Writing and vocabulary

Middle School – ELA Goals (cont.)

ELA 8

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in **ELA 8** will increase from:

78% at the end of 2008-09 to 80% at the end of 2009-10,
as assessed by the ELA 8 assessment.

Skills to Improve:

- Writing and mechanics
- Analysis
- Vocabulary
- Cause and effect
- Author's purpose

Goal 2: The percentage of students who will be at or above mastery (Level 4) in **ELA 8** will increase from:

6% at the end of 2008-09 to 7% at the end of 2009-10,
as assessed by the ELA 8 assessment.

Skills to Improve:

- Critical thinking
- Analysis
- Evaluation

Middle School – Math Goals

Math 6

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in **Math 6** will increase from:

88% at the end of 2008-09 to 90% at the end of 2009-10,
as assessed by the NYS Math 6 assessment.

Goal 2: The percentage of students who will be at or above mastery (Level 4) in **Math 6** will increase from:

18% at the end of 2008-09 to 25% at the end of 2009-10,
as assessed by the NYS Math 6 assessment.

Skills to Improve:

Greater emphasis will be placed on the following NY State Performance Indicators (PIs) in an effort to close regional achievement gaps:

- **5G13** – Plot points to form basic geometric shapes (identify and classify)
- **5G14** – Calculate perimeter of basic geometric shapes drawn on a coordinate plane (rectangles and shapes composed of rectangles having sides with integer lengths and parallel to the axes)
- **6G1** – Calculate the length of corresponding sides of similar triangles using proportional reasoning
- **6G4** – Determine the volume of rectangular prisms by counting cubes and develop the formula
- **6G5** – Identify radius, diameter, chords and central angles of a circle.
- **6G6** – Understand the relationship between the diameter and radius of a circle
- **6M1** – Measure capacity and calculate volume of a rectangular prism
- **6N11** – Read, write, and identify percents of a whole (0% to 100%)
- **6N12** – Solve percent problems involving percent, rate, and base
- **6N13** – Define absolute value and determine the absolute value of rational numbers (including positive and negative)
- **6N22** – Evaluate numerical expressions using order of operations (may include exponents of two and three)
- **6S6** – Determine the range for a given set of data

Middle School – Math Goals (cont.)

Math 7

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in **Math 7** will increase from:

97.8% at the end of 2008-09 to 98% at the end of 2009-10,
as assessed by the NYS Math 7 assessment.

Goal 2: The percentage of students who will be at or above mastery (Level 4) in **Math 7** will increase from:

35.9% at the end of 2008-09 to 37% at the end of 2009-10,
as assessed by the NY State Mathematics Assessment.

Skills to Improve:

Greater emphasis will be placed on the following NY State Performance Indicators in an effort to close regional achievement gaps.

- **6A3** – Translate two-step verbal sentences into algebraic equations
- **7A1** – Translate two-step verbal expressions into algebraic expressions
- **7G7** – Find a missing angle when given angles of a quadrilateral
- **7M11** – Estimate surface area
- **7N8** – Find the common factors and greatest common factor of two or more numbers
- **7S4** – Calculate the range for a given set of data

Math 8

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in **Math 8** will increase from:

92.8% at the end of 2008-09 to 94% at the end of 2009-10,
as assessed by the NYS Math 8 assessment.

Goal 2: The percentage of students who will be at or above mastery (Level 4) in **Math 8** will increase from:

26.6% at the end of 2008-09 to 30% at the end of 2009-10,
as assessed by the NYS Math 8 assessment.

Skills to Improve:

Greater emphasis will be placed on the following NY State Performance Indicators in an effort to close regional achievement gaps.

- **8A3** – Describe a situation involving relationships that match a given graph
- **8A6** – Multiply and divide monomials
- **8A7** – Add and subtract polynomials (integer coefficients)
- **8A8** – Multiply a binomial by a monomial or a binomial (integer coefficients)
- **8N1** – Develop and apply the laws of exponents for multiplication and division
- **8G5** – Calculate the missing angle measurements when given two parallel lines cut by a transversal

Middle School – Math Goals (cont.)

Grade 8-Advanced Students

Goal 1: The percentage of students who will be at or above mastery (Level 4) in **Integrated Algebra (Advanced Students)** will increase from:

84.4% at the end of 2008-09 to 90% at the end of 2009-10,
as assessed by the NYS Regents Integrated Algebra Exam.

Skills to Improve:

- **AA9** – Analyze and solve verbal problems that involve exponential growth and decay
- **AA17** – Add or subtract fractional expressions with monomial or like binomial denominators
- **AA23** – Solve literal equations for a given variable
- **AG6** – Graph linear inequalities
- **AM3** – Calculate the relative error in measuring square and cubic units, when there is an error in the linear measure

Middle School – Science Goals

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in **Science 8** will increase from:

93.6% at the end of 2008-09 to 94% at the end of 2009-10
as assessed by the NYS Intermediate Science assessment.

Skills to Improve:

- Increase graph reading ability
- Increase ability to create a graph
- Create graph based on data table

Goal 2: The percentage of students who will be at or above mastery (Level 4) in **Science 8** will increase from:

44% at the end of 2008-09 to 46% at the end of 2009-10
as assessed by the NYS Intermediate Science assessment.

Skills to Improve:

- Constructed response answers
- Increase ability to read microscope grid and size of objects

Middle School – Social Studies Goals

Goal 1: The percentage of students who will be at or above passing (Level 3 or 4) in **Social Studies** will increase from:

90.1% at the end of 2008-09 to 92% at the end of 2009-10
as assessed by the NYS Grade 8 Social Studies assessment.

Skills to Improve:

- Focus on improving constructed response answers
- Increase sharing of resources with Special Education Teachers

Goal 2: The percentage of students who will be at or above mastery (Level 4) in **Social Studies** will increase from:

37.4% at the end of 2008-09 to 42% at the end of 2009-10
as assessed by the NYS Grade 8 Social Studies assessment.

Skills to Improve:

- DBQ writing skills – continue DBQ preparation strategies implemented in 2008-09 school year.