Grade 6 Year at a Glance 2024-2025

| Trimester 1 ~ 61 Days | Trimester 2 ~ 59 Days | Trimester 3 ~ 59 Days |
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| September 5- December 6 | December 9- March 14 | March 17- June 25 |
| Diagnostic 1 Unit 1 Expressions & Equations(~31days) Lesson 0 – First 5 days (5 days) Lesson 1 – Area of Parallelogram (3 days) Lesson 2 – Area of Triangles & other Polygons (4 days) Lesson 3 – Use Nets to find Surface Area (4 days) Lesson 4* – Work w/ Algebraic Expressions (4 days) Lesson 5* – Write & Evaluate Expressions w/ Exponents (4 days) Lesson 6 – GCF/ LCM (4 days) Math in Action – Area, Surface Area, & Algebraic Expression (2 days) Unit 1 Assessment (1 day) Unit 2 Decimals and Fractions (~23 days) Lesson 7 – Add, Subtract, Multiply Multi-Digit Decimals (4 days) Lesson 8 – Divide Whole Numbers & Multi-Digit Decimals (5 days) Lesson 10 – Divide Fraction (4 days) Lesson 11 – Solve Volume Problems w/ Fractions (4 days) Math in Action – Volume& Operations w/ Decimals & Fractions (2 days) Lesson 11 – Solve Volume Problems w/ Decimals & Fractions (2 days) Lesson 11 – Solve Volume Roberations (2 days) Lesson 12 – Understand Ratio Concepts (3 days) | Unit 3 Ratio Reasoning (~12/17 days) Lesson 13 – Find Equivalent Ratios (5 days) Lesson 14 – Use Part-to-Part & Part-to-Whole Ratios (4 days) Math in Action – Ratios (2 days) Unit 3 Assessment (1 day) Diagnostic 2 Unit 4 Ratio Reasoning (~18 days) Lesson 15 – Understand Rate Concepts (3 days) Lesson 16 – Use Unit Rates to Solve Problems (5 days) Lesson 17 – Understand Percents (3 days) Lesson 18 – Use Percents to Solve Problems (4 days) Math in Action – Rates, Unit Rates & Percents (2 days) Unit 4 Assessment (1 day) Unit 5 Algebraic Thinking (~20 days) Lesson 20 – Understand Solutions of Equations (3 days) Lesson 21 – Write & Identify Equivalent Expressions (5 days) Lesson 22 – Analyze Two-Variable Relationships (4 days) Math in Action – Expressions & Equations (2 days) Lesson 22 – Analyze Two-Variable Relationships (4 days) Math in Action – Expressions & Equations (2 days) Lesson 24 – Order Positive & Negative Numbers (3 days) | Unit 6 Positive & Negative Numbers (~18 days/24) Lesson 25 – Understand Absolute Value (3 days) Lesson 26 – Write & Graph One-Variable Inequalities (5 days) Lesson 27 – Understand Four Quadrant Coordinate Plane (3 days) Lesson 28 – Solve Problems In the Coordinate Plane (4 days) Math in Action – Negative Numbers, Inequalities & the Coordinate Plane (2 days) Unit 6 Assessment (1 day) NYS CBT window – April 7 -May 16 Unit 7 Statistical Thinking (~33 days) Lesson 29* – Understand Statistical Questions& Data Distributions (3 days) Lesson 30 – Use Dot Plots &Histograms to Describe Data Distributions (4 days) Lesson 31* – Interpret Median & IQR (4 days) Lesson 32* – Understane Statistical Questions to Summarize Data (3 days) Lesson 33* – Use Measures of Center & Variability to Summarize Data (3 days) Probability Concepts – Activity (3 days) Experimental Probability – Activity (4 days) Math in Action – Statistical Questions & Measures of Center & Variability (2 days) Unit 7 Assessment (1 day) |
| Notes: | Notes: | Notes: |
| ★ * Educator Note | Will continue Unit 6 in next trimester. | Unit 7 - *Educator Notes and NYS Enhancements |
| <u>Trimester 1 Report Card Objectives</u> Solve real-world and mathematical problems involving area, surface area, and volume (NY-6.G.1,2,4) Apply and extend previous understanding of multiplication and division of fractions (NY-6.NS.1) Fluently divides multidigit numbers (NY-6.NS.2) Fluently compute decimal operations using standard algorithms (NY-6.NS.3) Write and evaluate numerical expressions involving whole number exponents (NY-6.EE.1) | <u>Trimester 2 Report Card Objectives</u> Understand the concept of unit rate (NY-6.RP.2) Use Ratio and Rate Reasoning to solve real world problems and find a percent of a quantity as rate per 100 (NY-6.RP.3, 3c) Use equations to solve real-world problems (NY-6.EE.7) Represent & analyze the relationship between independent and dependent variables (NY-6.EE.9) Apply the properties of operations to generate equivalent expressions (NY-6.EE.3) | Trimester 3 Report Card Objectives Use inequalities to solve real world problems. (NY-6.EE.8) Write, interpret and explain ordering of rational numbers (NY-6.NS.7b) Understand the absolute value of a rational number is its distance from 0 on a number line. (NY-6.NS.7c) Solve problems by graphing points on the coordinate plane (NY-6.NS.8) Draw polygons in the coordinate plane & use coordinates to find side lengths (NY-6.G.3) |