A YEAR AT A GLANCE – Algebra Functions and Data Analysis *(Revised January 2014)*

Note: (number inside parenthesis represents approximate number of days to cover content.)

Benchmark 1	Benchmark 2	Benchmark 3	Benchmark 4
Pretest **AFDA.1, AFDA.2, AFDA.4 (22 days)** **AFDA.1 -**Investigate & Analyze Linear, Quadratic, Exponential, and Logarithmic Families **AFDA.2 -**Use knowledge of Transformation to write equations of linear, quadratic, exponential, and logarithmic function **AFDA.4 -**Use appropriate algebraic formulas and representations for analysis, interpretation, and prediction (**Chapter 1, Sections 1 – 14)** **AFDA.1, AFDA.2, AFDA.4 (12 days)** **AFDA.1 -**Investigate & Analyze Linear, Quadratic, Exponential, and Logarithmic Families **AFDA.2 -**Use knowledge of Transformation to write equations of linear, quadratic, exponential, and logarithmic function **AFDA.4 -**Use appropriate algebraic formulas and representations for analysis, interpretation, and prediction **(Chapter 2, 1 – 6)** **Review and Assessment (11 days)**	**AFDA.1, AFDA.3, AFDA.4, AFDA.8 (7 days)** **AFDA.1 -**Investigate & Analyze Linear, Quadratic, Exponential, and Logarithmic Families **AFDA.3 –**Collect data and generate equation for curve of best fit to model real-world problems **AFDA.4 -**Use appropriate algebraic formulas and representations for analysis, interpretation, and prediction **(Chapter 2** Linear Function Models and Problem Solving; Sections 7 – 10) **AFDA.3 (11 days)** **AFDA.3 –**Collect data and generate equation for curve of best fit to model real-world problems **(Chapter 3** Systems of Linear Equations and Inequalities; Sections 1 – 7) **AFDA.1, AFDA.2, AFDA.4 (8 days)** **AFDA.1 -**Investigate & Analyze Linear, Quadratic, Exponential, and Logarithmic Families **AFDA.2 -**Use knowledge of Transformation to write equations of linear, quadratic, exponential, and logarithmic function **AFDA.4 -**Use appropriate algebraic formulas and representations for analysis, interpretation, and prediction **(Chapter 4 , Sections 1 – 4)** **Review and Assessment (7 days)**	**AFDA.1, AFDA.2, AFDA.3 (14 days)** **AFDA.1 -**Investigate & Analyze Linear, Quadratic, Exponential, and Logarithmic Families **AFDA.2 -**Use knowledge of Transformation to write equations of linear, quadratic, exponential, and logarithmic function **AFDA.3 –**Collect data and generate equation for curve of best fit to model real-world problems **AFDA.4 -**Use appropriate algebraic formulas and representations for analysis, interpretation, and prediction **(Chapter 4, Section 5 – 11)** **AFDA.1, AFDA.2, AFDA.3, AFDA.4 (18 days)** **AFDA.1 -** Quadratic, Exponential, and Logarithmic Families **AFDA.2 -**Transformations to write equations of linear, quadratic, exponential, and logarithmic function **AFDA.3 –**Collect data and generate equation for curve of best fit **AFDA.4 -**Use algebraic formulas **Chapter 5,** Sections 1 – 5, 9 – 12) **AFDA.6 (4 days)** Calculate probability **(Chapter 6, Sections 1 – 2, 6)** **Review and Assessment (9 days)**	**AFDA.6 (10 days)** Calculate probability **(Chapter 6, Sections 3 – 5, 7)** **AFDA.7, AFDA.8 (20 days)** **AFDA.7 –**Analyze the normal distribution, interpret mean, median, mode, range, interquartile range, variance, and standard deviation **AFDA.8 –**Design and conduct an experiment and/or survey **(Chapter 7, Sections 1 – 12)** **Review and Assessment (8 days)** **Final Exam and Review Days (7 days)** **Posttest**