



SAILS Statistics

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
	Gathering Data	Preparing for Statistics	Describing Data	Organizing and Displaying Data	Probability
	4	7	5	9	8
Objective(s) / Essential Question(s)	1-1 Statistical Studies, 1-2 Random Samples, 1-3 Bias in Statistical Studies	2-1 Review Fractions and Decimals, 2-2 Review Factors and Prime Factorization, 2-3 Review Simplifying Fractions, 2-4 Review Fractions & Problem Solving, 2-5 Review Rounding, 2-6 Review Decimals & Problem Solving, 2-7 Review Comparing Fractions and Decimals, 2-8 Review Mathematical Statements & Sets of Numbers, 2-9 Review Absolute Value, 2-10 Review Order of Operations, 2-11 Review Real Numbers & Problem Solving, 2-12 Review Percent, 2-13 Review Solutions to Equations, 2-14 Review Addition Property of Quality, 2-15 Review Multiplication Property of Equality, 2-16 Review Multi-Step Equations	3-1 Review Evaluate with Substitution, 3-2 Measures of Center, 3-3 Measures of Spread, 3-4 Percentiles and Quartiles	4-1 Types of Data, 4-2 Pie Graphs Bar Graphs & Pareto Charts, 4-3 Stem Plots Time-Series Graphs & Line Graphs, 4-4 Five Number Summary & Box Plots, 4-5 Frequency Distributions, 4-6 Histograms, 4-7 Compare Quantitative Displays	5-1 Review Scientific Notation, 5-2 Introduction to Probability, 5-3 Addition and Subtraction Rules, 5-4 Complements and Conditional Probability, 5-5 Venn Diagrams
INSTRUCTIONAL MATERIALS	SAILS Statistics Online Course	SAILS Statistics Online Course	SAILS Statistics Online Course	SAILS Statistics Online Course	SAILS Statistics Online Course
MAJOR TASKS, ASSESSMENTS, and FIELD TRIPS	3 Lessons and Quiz	16 Lesson and Module Test	4 Lessons and Module Test	7 Lessons and Module Test	5 Lessons and Module Test
STANDARDS ADDRESSED TN State Stds.	1a, 1b, 1c, 1d, 1e, 1k, 1m, 2f		2e, 2g, 2h, 2j, 2k	1f, 1g, 1h, 1i, 1j, 2a, 2b, 2c, 2d, 2e, 2h, 2i	3a, 3b, 3c, 3d, 3e, 3f, 3g, 3h

*Parents may access instructional materials by becoming a [Canvas Observer](#)

Per Johnson City Board of Education [Policy 4.400](#), upon request, parents/guardians shall have the ability to inspect the following items: instructional materials, teaching materials, teaching aids, handouts, and tests that are developed by and graded by their child's teacher. The Superintendent of Schools shall develop procedures for the inspection of materials and distribute these procedures to each principal.