

Quarter 2

Statistics

Quai	rter 1	Qua	rter 2	Qua	rter 3	Quai	rter 4
The Nature of Probability and Statistics, Frequency Distributions and Graphs, Data Description		Probability and Discrete Proba The Normal Dis	l Counting Rules, bility Distributions, stribution	Normal Distrik Intervals and Hypothesis Te	outions, Confidence Sample Size, esting	Testing the Di Two Means, T and Two Varia Square Tests, Regression	fference Between wo Proportions, inces, Other Chi- Correlation and
August October	6 2018 – r 5, 2018	October 15, 2018 –	December 19, 2018	January March	7, 2019 – 8, 2019	March May 23	18, 2019 – 3, 2019
S.ID.A.1	S.IC.A.3	S.CP.A.1	S.MD.B.10	S.MD.A.6		S.ID.B.10	
S.ID.A.2	S.IC.A.4	S.CP.A.2		S.MD.A.8		S.ID.B.11	
S.ID.A.3	S.IC.A.5	S.CP.A.3		S.MD.B.10		S.ID.B.12	
S.ID.A.4	S.IC.B.8	S.CP.B.4		S.IC.A.6		S.ID.B.13	
S.ID.A.5	S.IC.B.9	S.CP.B.5		S.IC.A.7		S.MD.A.8	
S.ID.A.6	S.IC.B.10	S.MD.A.1		S.IC.C.14		S.IC.B.12	
S.ID.A.7	S.IC.B.11	S.MD.A.2		S.IC.D.15			
S.ID.A.8	S.IC.C.13	S.MD.A.3		S.IC.D.16			
S.ID.A.9		S.MD.A.4		S.IC.D.17			
S.MD.B.9		S.MD.A.5		S.IC.E.18			
S.MD.B.10		S.MD.A.6		S.IC.E.19			
S.IC.A.1		S.MD.A.7a & b		S.IC.E.20			
S.IC.A.2		S.MD.A.8					



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Introduction

Destination 2025, Shelby County Schools' 10-year strategic plan, is designed not only to improve the quality of public education, but also to create a more knowledgeable, productive workforce and ultimately benefit our entire community.

What will success look like?



In order to achieve these ambitious goals, we must collectively work to provide our students with high quality, college and career ready aligned instruction. The Tennessee State Standards provide a common set of expectations for what students will know and be able to do at the end of a grade. The State of Tennessee provides two sets of standards, which include the Standards for Mathematical Content and The Standards for Mathematical Practice. The Content Standards set high expectations for all students to ensure that Tennessee graduates are prepared to meet the rigorous demands of mathematical understanding for college and career. The eight Standards for Mathematical Practice describe the varieties of expertise, habits of mind, and productive dispositions that educators seek to develop in all students. The Tennessee State Standards also represent three fundamental shifts in mathematics instruction: **focus, coherence and rigor**.



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The **Standards for Mathematical Practice** describe varieties of expertise, habits of minds and productive dispositions that mathematics educators at all levels should seek to develop in their students. These practices rest on important National Council of Teachers of Mathematics (NCTM) "processes and proficiencies" with longstanding importance in mathematics education. Throughout the year, students should continue to develop proficiency with the eight Standards for Mathematical Practice. The following are the eight Standards of Mathematical Practices:

- 1. Make sense of problems and persevere in solving them.
- 2. Reason abstractly and quantitatively
- 3. Construct viable arguments and critique the reasoning of them.
- 4. Model with mathematics
- 5. Use appropriate tools strategically
- 6. Attend to precision
- 7. Look for and make use of structure
- 8. Look for and express regularity in repeated reasoning

This curriculum map is designed to help teachers make effective decisions about what mathematical content to teach so that, ultimately our students, can reach Destination 2025. Throughout this curriculum map, you will see resources as well as links to tasks that will support you in ensuring that students are able to reach the demands of the standards in your classroom. In addition to the resources embedded in the map, there are some high-leverage resources around the content standards and mathematical practice standards that teachers should consistently access. For a full description of each, click on the links below.



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Structure of the Standards

Structure of the TN State Standards include:

- Content Standards Statements of what a student should know, understand, and be able to do.
- **Clusters** Groups of related standards. Cluster headings may be considered as the big idea(s) that the group of standards they represent are addressing. They are therefore useful as a quick summary of the progression of ideas that the standards in a domain are covering and can help teachers to determine the focus of the standards they are teaching.
- **Domains** A large category of mathematics that the clusters and their respective content standards delineate and address. For example, Number and Operations Fractions is a domain under which there are a number of clusters (the big ideas that will be addressed) along with their respective content standards, which give the specifics of what the student should know, understand, and be able to do when working with fractions.
- **Conceptual Categories** The content standards, clusters, and domains in the 9th-12th grades are further organized under conceptual categories. These are very broad categories of mathematical thought and lend themselves to the organization of high school course work. For example, Algebra is a conceptual category in the high school standards under which are domains such as Seeing Structure in Expressions, Creating Equations, Arithmetic with Polynomials and Rational Expressions, etc.



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How to Use the Maps

Overview

An overview is provided for each quarter and includes the topics, focus standards, intended rigor of the standards and foundational skills needed for success of those standards.

Your curriculum map contains four columns that each highlight specific instructional components. Use the details below as a guide for information included in each column.

Tennessee State Standards

TN State Standards are located in the left column. Each content standard is identified as Major Content or Supporting Content (for Algebra I, Algebra II & Geometry only). A key can be found at the bottom of the map.

Content

This section contains learning objectives based upon the TN State Standards. Best practices tell us that clearly communicating measurable objectives lead to greater student understanding. Additionally, essential questions are provided to guide student exploration and inquiry.

Instructional Support & Resources

District and web-based resources have been provided in the Instructional Support & Resources columns. You will find a variety of instructional resources that align with the content standards. The additional resources provided should be used as needed for content support and scaffolding. The inclusion of vocabulary serves as a resource for teacher planning and for building a common language across K-12 mathematics. One of the goals for Tennessee State Standards is to create a common language, and the expectation is that teachers will embed this language throughout their daily lessons.

Tennessee Academic Standards for Mathematics

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Topics Addressed in Quarter

- Probability and Counting Rules
- Discrete Probability Distributions
- The Normal Distribution

Overview

In this quarter students extend their work in probability and statistics by applying statistics ideas to real-world situations. They link classroom mathematics and statistics to everyday life, work, and decision-making, by applying these standards in modeling situations. Students choose and use appropriate mathematics and statistics to analyze empirical situations, to understand them better, and to improve decisions. The basic concepts of probability are explained including probability experiments, sample spaces, the addition and multiplication rules, and the probabilities of complementary events. Students learn the rule for counting, the differences between permutations and combinations, and how to figure out how many different combinations for specific situations exist. Students take their understanding of probability further by studying expected values, interpreting them as long-term relative means of random variables, functions of the outcomes of a random process, with associated probabilities attached to their possible values. Random variables can be either discrete or continuous. Discrete variables and their distributions are explained and students explore probability distributions in general and a specific, often used distribution called the binomial distribution. Students also begin to discuss and explore the properties of a normal distribution and its applications.



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TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUP	PORT & RESOURCES
	Chapter 4 - Probabil (Allow approximately 4 weeks for	ity and Counting Rules	
Domain: Conditional Probability and the Rules of Probability Cluster: Understand and apply basic concepts of probability S.CP.A.1 Describe events as subsets of a sample space (the set of outcomes) using characteristics (or categories) of the outcomes, or as unions, intersections, or complements of other events ("or," "and," "not"). S.CP.A.3 Demonstrate an understanding of the Law of Large Numbers (Strong and Weak).	 Essential Question(s): How to use the laws of probability and simulation to make informed decisions? How can large numbers based on a pattern be efficiently calculated to form probabilities? How can you model a simulation to represent a real life situation? How does theoretical probability relate to empirical probability? How do mutually exclusive events affect probability calculations? 	Elementary Statistics Textbook (Bluman) 4-1 Sample Spaces and Probability Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Against All Odds Videos (Against All Odds is a Video Series that introduces a statistical topic and illustrates it with a real-world example) Khan Academy: Probability	Vocabulary (Chapter 4) classical probability, combination, complement of an event, compound event, conditional probability, dependent events, empirical probability, equally likely events, event, fundamental counting rule, independent events, law of large numbers, mutually exclusive events, outcome, permutation, probability, probability experiment, sample space, simple event, subjective probability, tree diagram, Venn diagrams Elementary Statistics Textbook (Bluman) Statistics Today, pp. 182, 245
Domain: Using Probability to Make Decisions Cluster: Understand and use discrete probability distributions. <u>S.MD.A.5</u> Develop a probability distribution for a random variable defined for a sample space in which theoretical probabilities can be calculated; find the expected value. For example, find the theoretical probability distribution for the number of correct answers obtained by guessing on all five questions of a multiple-choice test where each question has four choices, and find the expected grade under various grading schemes.	 Objective(s) The student will: Determine sample spaces and find the probability of an event. Explain what is meant by the Law of Large Numbers. 	STatistics Education Web Egg Roulette Game Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K- 12.) Task(s) Law of Large Numbers	Critical Thinking Challenges, p. 248 Speaking of Statistics, p. 240 Applying the Concepts, pp. 195, 203, 220, 232, 239 Extending the Concepts, pp. 198, 207, 224, 235 Data Projects, p. 248 TI-83/84 Step by Step, pp. 208, 235 Utilize <u>Tasks</u> to include the Standards for Mathematical Practice where students have to reason, justify, explain, construct & model their thinking.



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Domain: Conditional Probability and the Rules of Probability Cluster: Use the rules of probability to compute probabilities of compound events in a uniform probability model. S.CP.B.4 Demonstrate an understanding of the addition rule, the multiplication rule, conditional probability, and independence.	 Objective(s) The student will: Find the probability of compound events using the addition rule of probability 	Elementary Statistics Textbook (Bluman) 4-2 The Addition Rules for Probability Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Khan Academy: Probability Odd or Even? The Addition and Complement Principles of Probability	Vocabulary (Chapter 4) classical probability, combination, complement of an event, compound event, conditional probability, dependent events, empirical probability, equally likely events, event, fundamental counting rule, independent events, law of large numbers, mutually exclusive events, outcome, permutation, probability, probability experiment, sample space, simple event, subjective probability, tree diagram, Venn diagrams Elementary Statistics Textbook (Bluman) Statistics Today, pp. 182, 245 <i>Critical Thinking Challenges</i> , p. 248 <i>Speaking of Statistics</i> , p. 240 <i>Applying the Concepts</i> , pp. 195, 203, 220, 232, 239 <i>Extending the Concepts</i> , pp. 198, 207, 224, 235 <i>Data Projects</i> , p. 248
Domain: Conditional Probability and the Rules of Probability Cluster: Use the rules of probability to compute probabilities of compound events in a uniform probability model. <u>S.CP.B.4</u> Demonstrate an understanding of the addition rule, the multiplication rule, conditional probability, and independence.	 Objective(s) The student will: Find the probability of compound events using the multiplication rule of probability. Find the conditional probability of an event. Discuss the concept of independence 	Elementary Statistics Textbook (Bluman) 4-3 The Multiplication Rules and Conditional Probability Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Against All Odds Videos	



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Domain: Conditional Probability and the Rules of Probability Cluster: Use the rules of probability to compute probabilities of compound events in a uniform probability model. <u>S.CP.B.4</u> Demonstrate an understanding of the addition rule, the multiplication rule, conditional probability, and independence. <u>S.CP.B.5</u> Apply the general Multiplication Rule in a uniform probability model, P(A and B) = P(A)P(B A) = P(B)P(A B), and interpret the answer in terms of the model	 Objective(s) The student will: Find the total number of outcomes in a sequence of events using the fundamental counting rule. Find the number of ways that <i>r</i> objects can be selected from <i>n</i> objects, using the permutation rule. Find the number of ways that <i>r</i> objects can be selected from <i>n</i> objects, without regard to order, using the combination rule. 	Khan Academy: Probability Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K-12.). Task(s) Statistics- Independence Elementary Statistics Textbook (Bluman) 4-4 Counting Rules Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Against All Odds Videos Khan Academy: The Counting Principle Task(s) Statistics- Too Many Choices
Domain : Conditional Probability and the Rules of Probability Cluster : Understand and apply basic concepts of probability	 Objective(s) The student will: Find the probability of an event using the counting rules. 	<i>Elementary Statistics Textbook (Bluman)</i> 4-5 Probability and Counting Rules
S.CP.A.2 Use permutations and combinations to compute probabilities of compound events and solve problems.		Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions



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	Chapter 5 Discrete 1	Manual, etc.) Against All Odds Videos Khan Academy: The Counting Principle STatistics Education Web Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K- 12.) Task(s) Statistics- M&Ms6 Probability Distributions	
	Chapter 5 - Discrete F	Probability Distributions	
Domain: Using Probability to Make Decisions Cluster: Understand and use discrete probability distributions. <u>S.MD.A.1</u> Define a random variable for a quantity of interest by assigning a numerical value to each event in a sample space; graph the corresponding probability distribution using the same graphical displays as for data distributions	 (Allow approximately 3 weeks for 1 Essential Question(s): What probability distribution patterns occur in real life situations? How do you distinguish when to use the three distributions (poison, binomial, geometric)? How do you apply your understanding of probability distribution to determine examples of it? Objective(s): The student will: Construct a probability distribution for a random variable. 	Elementary Statistics Textbook (Bluman) 5-1 Probability Distributions Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Against All Odds Videos Khan Academy: Statistics and Probability STatistics Education Web Task(s) Statistics- Go Fish	Vocabulary (Chapter 5): Binomial distribution, binomial experiment, discrete probability distribution, expected value, hypergeometric distribution, multinomial distribution, Poisson distribution, random variable Elementary Statistics Textbook (Bluman) Statistics Today, pp. 252, 295 Critical Thinking Challenges, p. 296 Speaking of Statistics, p.256, Applying the Concepts, pp. 257, 266, 276, 289 Extending the Concepts, pp. 259, 268, 279 Data Projects, p. 297 TI-83/84 Step by Step, pp. 269, 281, 291



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 Domain: Using Probability to Make Decisions Cluster: Understand and use discrete probability distributions. S.MD.A.2 Calculate the expected value of a random variable; interpret it as the mean of the probability distribution. S.MD.A.4 Analyze discrete random variables and their probability distributions, including binomial and geometric. S.MD.A.6 Develop a probability distribution for a random variable defined for a sample space in which theoretical probabilities can be calculated; find the expected value. For example, find a current data distribution on the number of TV sets per household in the United States, and calculate the expected number of sets per household. How many TV sets would you expect to find in 100 randomly selected households? S.MD.A.7 Weigh the possible outcomes of a decision by assigning probabilities to payoff values and finding expected values. a. Find the expected payoff for a game of chance. For example, find the expected values. b. Evaluate and compare strategies on the basis of expected values. For example, compare a high-deductible versus a low-deductible automobile insurance policy using various, but reasonable, chances of having a 	Objective(s): The student will: • Find the mean, variance, standard deviation, and expected value for a discrete random variable.	Elementary Statistics Textbook (Bluman) 5-2 Mean, Variance, Standard Deviation, and Expected Value Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Against All Odds Videos STatistics Education Web Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K- 12.) Task(s) Statistics- Collecting Pens	 Vocabulary (Chapter 5): Binomial distribution, binomial experiment, discrete probability distribution, expected value, hypergeometric distribution, multinomial distribution, Poisson distribution, random variable Elementary Statistics Textbook (Bluman) Statistics Today, pp. 252, 269, 295 Critical Thinking Challenges, p. 296 Speaking of Statistics, p.256 Applying the Concepts pp. 257, 266, 276, 289 Extending the Concepts, pp. 259, 268, 279 Data Projects, p. 297 TI-83/84 Step by Step, pp. 269, 281, 291



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minor or a major accident. S.MD.A.8 Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game). Domain: Using Probability to Make Decisions Cluster: Understand and use discrete probability distributions. S.MD.A.3 Design a simulation of random behavior and probability distributions (e.g., drawing by lots, using a random number generator, and using the results to make fair decisions). S.MD.A.6 Develop a probability distribution for a random variable defined for a sample space in which theoretical probabilities can be calculated; find the expected value. For example, find a current data distribution on the number of TV sets per household in the United States, and calculate the expected number of sets per household. How many TV sets would you expect to find in 100 randomly selected households? S.MD.A.8 Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game).	The student will: • Construct a probability distribution for a random variable using a simulation. • Find the expected value of the simulation.	Elementary Statistics Textbook (Bluman) 14-3 Simulation Techniques and Expected Value Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Against All Odds Videos Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K- 12.) Task(s) Statistics- Distracted Driving	Vocabulary (Section 14-3): Simulation technique, Monte Carlo method Elementary Statistics Textbook (Bluman) Applying the Concepts, pp. 742
Domain: Using Probability to Make Decisions Cluster: Understand and use discrete probability distributions. <u>S.MD.A.2</u> Calculate the expected value of a	 The student will: Find the exact probability for X successes in <i>n</i> trials of a binomial experiment. Find the mean, variance, and 	<i>Elementary Statistics Textbook (Bluman)</i> 5-3 The Binomial Distribution	Vocabulary (Chapter 5): Binomial distribution, binomial experiment, discrete probability distribution, expected value, hypergeometric distribution, multinomial distribution, Poisson distribution, random



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random variable; interpret it as the mean of the probability distribution. <u>S.MD.A.6</u> Develop a probability distribution for a random variable defined for a sample space in which theoretical probabilities can be calculated; find the expected value. For example, find a current data distribution on the number of TV sets per household in the United States, and calculate the expected number of sets per household. How many TV sets would you expect to find in 100 randomly selected households?	standard deviation for the variable of a binomial distribution.	Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Khan Academy: Binomial Distribution Against All Odds Videos STatistics Education Web Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics, Ivint Committee on	variable Elementary Statistics Textbook (Bluman) Statistics Today, pp. 252, 295 Critical Thinking Challenges, p. 296 Speaking of Statistics, p.256 Applying the Concepts, pp. 257, 266, 276, 289 Extending the Concepts, pp. 259, 268, 279 Data Projects, p. 297 TI-83/84 Step by Step, pp. 269, 281, 291
<u>S.MD.A.8</u> Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game).		Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K-12.) Task(s) Georgia Standards of Excellence - Testing Learning Task, p.30	
 Domain: Using Probability to Make Decisions Cluster: Understand and use discrete probability distributions. <u>S.MD.A.2</u> Calculate the expected value of a random variable; interpret it as the mean of the probability distribution. <u>S.MD.A.6</u> Develop a probability distribution for a random variable defined for a sample space in which theoretical probabilities can be calculated; find the expected value. For example, find a current data distribution on the number of TV sets per household in the 	 Find the probabilities for outcomes of variables, using Geometric, Poisson, hypergeometric, and multinomial distributions. 	Elementary Statistics Textbook (Bluman) 5-4 Other Types of Distributions Geometric Probability Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Khan Academy: Probability for a Geometric Random Variable Against All Odds Videos	
number of sets per household. How many TV sets would you expect to find in 100 randomly		STatistics Education Web	



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selected households? <u>S.MD.A.8</u> Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game).			
	Chapter 6-The Normal D	Distribution (Sections 1 & 2)	
Design of the Design of Male Designs	(Allow approximately 2 weeks for	instruction, review, and assessment)	
Domain: Using Probability to Make Decisions Cluster: Understand the normal probability distribution. <u>S.MD.B.10</u> Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.	 Essential Question(s): What characteristics of a problem influence the choice of representation and analysis of the data? How can data be represented to best communicate important information about a problem? The student will: Identify distributions as symmetric or skewed. Identify the properties of a normal distribution. Find the area under the standard normal distribution, given various z values. 	Elementary Statistics Textbook (Bluman) 6-1 Normal Distributions Additional Resource(s) Elementary Statistics 7th edition Bluman (PowerPoints, Chapter PDF files, Solutions Manual, etc.) Khan Academy: Normal Distributions Against All Odds Videos Statistics Education Web Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K- 12.)	 Vocabulary (Sections 6-1 & 6-2): Binomial distribution, binomial experiment, discrete probability distribution, expected value, hypergeometric distribution, multinomial distribution, Poisson distribution, random variable <i>Elementary Statistics Textbook (Bluman)</i> <i>Statistics Today</i>, p.300 <i>Applying the Concepts</i>, p. 311, 324 <i>Extending the Concepts</i>, pp. 313 <i>TI-83/84 Step by Step</i>, pp. 315, 329
Domain: Using Probability to Make Decisions Cluster: Understand the normal probability distribution. <u>S.MD.B.10</u> Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population	 The student will: Find probabilities for a normally distributed variable by transforming it into a standard normal variable. 	Elementary Statistics Textbook (Bluman) 6-2 Applications of the Normal Distribution Additional Resource(s) Elementary Statistics 7th edition Bluman	Utilize <u>Tasks</u> to include the <i>Standards for</i> <i>Mathematical Practice</i> where students have to reason, justify, explain, construct & <i>model</i> their thinking.



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percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.		(PowerPoints, Chapter PDF files, Solutions Manual, etc.) Khan Academy: Normal Distributions Against All Odds Videos STatistics Education Web What Does the Normal Distribution Sound Like? Task(s) The Normal Distribution Is Your Score Normal



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	RESOURCE TOOLBOX	
Textbook Resources <u>Elementary Statistics 7th edition Bluman</u> (PowerPoints, Chapter PDF files, Solutions Manual, etc.)	Standards <u>Common Core Standards - Mathematics</u> <u>Common Core Standards - Mathematics Appendix A</u> <u>The Mathematics Common Core Toolbox</u> <u>Link to common core glossary</u> <u>TN Math Standards</u>	Videos <u>Against All Odds Videos (with Study Guides)</u> (A Video Series that introduces a statistical topic and illustrates it with a real- world example) <u>Khan Academy</u>
Calculator <u>Texas Instruments Education</u> <u>http://www.casioeducation.com/educators</u>	Interactive Manipulatives Stat Trek AmStat.org Applet Collection ACT	Additional Sites Statistics Teacher (An online journal published by the American Statistical Association – National Council of Teachers of Mathematics Joint Committee on Curriculum in Statistics and Probability for Grades K-12.) The Data and Story Library Fed Stats Bureau of Labor Statistics Educational Statistics NCTM Math Illuminations United States Census Bureau STatistics Education Web Mathematics Vision Project: Modeling Data Georgia Standards of Excellence: Unit 8: Inferences & Conclusions from Data
	ACT Resources ACT College & Career Readiness Mathematics Standards	