

Planned Course of Study

Introduction to Statistics

Classroom Course/ Online Course

Grade 10-12

Math Department

Salisbury Township School District

1140 Salisbury Road

Allentown, PA 18103

Subject: Mathematics
Course: Introduction to Statistics/On-Line Intro to Statistics
Grade Level: 10 - 12

Learning Objectives/Content	Teaching/Learning Activities	Evaluation Criteria	State Standard
<p>OBJECTIVE 1:</p> <p>To distinguish between discrete and continuous data; descriptive and inferential statistics.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.6.11.E</p>

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<p>OBJECTIVE 2:</p> <p>To present data graphically in a line plot, bar graph or pie chart and be able to analyze the data.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.2.11.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.B</p>

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<p>OBJECTIVE 3:</p> <p>To use and to analyze the data as presented in frequency tables in the construction and analysis of histograms.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.A.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.A.B</p>

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<p>OBJECTIVE 4:</p> <p>To construct stem and leaf plots and analyze the data from shape and distribution of the plot.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B.E 2.5.11.B.C.D 2.6.11.A.B</p>

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<p>OBJECTIVE 5:</p> <p>Distinguish between values that describe a population and those that represent a sample.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B 2.6.11.E.G</p>

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<p>OBJECTIVE 6:</p> <p>Determine if a sample is random and which type of random sample it is.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.E 2.6.11.E.G</p>

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<p>OBJECTIVE 7:</p> <p>To calculate measures of central tendency, and determine which measure to use in a given situation.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.A.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.A.B</p>

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<p>OBJECTIVE 8:</p> <p>To construct a five-number summary using a box and whisker plot and analyze data using this plot.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.2.11.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.A.B</p>

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<p>OBJECTIVE 9:</p> <p>To find the standard deviation, variance, and coefficient of correlation of a set of data and analyze the data using these results.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.A.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.A</p>

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<p>OBJECTIVE 10:</p> <p>To describe a normal curve, identify data that tend to be normally distributed and use the empirical rule to determine areas under the normal curve.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.2.11.B.F 2.6.11.I</p>

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<p>OBJECTIVE 11:</p> <p>Convert raw scores to a standard z-score; determine the percentile rank of a z-score and determine the area between two values under a normal curve.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.A.B.F 2.6.11.I</p>

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<p>OBJECTIVE 12:</p> <p>To distinguish between categorical data and numerical data and to distinguish between explanatory and response variables.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B</p>

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<p>OBJECTIVE 13:</p> <p>To construct a scatter plot and analyze it in terms of its positive/negative association as well as its level of correlation.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.2.11.C.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.B.C 2.8.11.E.K.M</p>

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<p>OBJECTIVE 14:</p> <p>To calculate the linear regression line; correlation coefficient, and coefficient of determination and use the line to predict values.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.2.11.C.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.B.C.D 2.8.11.E.K.M</p>

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<p>OBJECTIVE 15:</p> <p>Define and explain the advantages and disadvantages of the various types of samples and identify bias in a sample.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B 2.6.11.E.G</p>

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<p>OBJECTIVE 16:</p> <p>To identify the range of possible probability values; identify and calculate probability values in cases where all outcomes are equally likely.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.A.F 2.7.11.A.C.D.E</p>

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<p>OBJECTIVE 17:</p> <p>To explain the law of large numbers and use it to make predictions.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B 2.6.11.D 2.7.11.C.D.E</p>

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<p>OBJECTIVE 18:</p> <p>Identify and use concepts in basic vocabulary of probability: sample space, outcome, event, complement of a n event, mutually exclusive events, conditional probability</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.B 2.7.11.C.D.E</p>

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<p>OBJECTIVE 19:</p> <p>Use conditional probability to define independent events, and distinguish between independent and dependent events. Calculate probabilities involving conditional probability.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.B 2.7.11.C.D.E</p>

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<p>OBJECTIVE 20:</p> <p>Apply the general probability rules for $P(A \text{ and } B)$ and $P(A \text{ or } B)$ to calculate and use probabilities.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.B 2.7.11.B.C.D.E</p>

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<p>OBJECTIVE 21:</p> <p>Construct and interpret a discrete probability distribution and a probability histogram.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.B.F 2.7.11.C</p>

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<p>OBJECTIVE 22:</p> <p>To list the four conditions that define a binomial setting and use the conditions to determine if a situation is binomial.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B</p>

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<p>OBJECTIVE 23:</p> <p>To solve binomial problems involving at least, at most and between.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.F 2.4.11.B.C 2.5.11.B.C.D</p>

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<p>OBJECTIVE 24:</p> <p>Use the normal approximation in binomial setting problems and determine the shape, mean, and standard deviation of the sampling distribution.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.F 2.4.11.B 2.6.11.I</p>

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<p>OBJECTIVE 25:</p> <p>Explain the Central Limit Theorem and use elements of the theorem to answer questions about the sampling distribution.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.4.11.B 2.5.11.B.C.D 2.7.11.H</p>

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<p>OBJECTIVE 26:</p> <p>Solve problems involving the sampling distributions of a sample mean or of a sample proportion.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.B.E 2.7.11.H</p>

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<p>OBJECTIVE 27:</p> <p>Define the term confidence interval and use different confidence levels to construct confidence intervals for a population mean. Also to identify the sample size needed to create a confidence interval with a given level of confidence and margin of error.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.2.11.A.D.F 2.4.11.B.E 2.5.11.B.C.D 2.6.11.B.H</p>

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<p>OBJECTIVE 28:</p> <p>Define null and alternate hypothesis and use them to perform hypothesis tests on the mean of a population.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>

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<p>OBJECTIVE 29:</p> <p>Define and calculate p-values and use them to determine statistical significance.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>

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<p>OBJECTIVE 30:</p> <p>To define a t-distribution and determine when it should be used instead of a z-distribution.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>

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<p>OBJECTIVE 31:</p> <p>To construct confidence intervals for t-distributions and use them to perform hypothesis tests.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>

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Learning Objectives/Content	Teaching/Learning Activities	Evaluation Criteria	State Standard
<p>OBJECTIVE 32:</p> <p>To use t-distributions to conduct hypothesis testing for the difference between two means using paired data.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>

Subject: Mathematics
Course: Introduction to Statistics/On-Line Intro to Statistics
Grade Level: 10 - 12

Learning Objectives/Content	Teaching/Learning Activities	Evaluation Criteria	State Standard
<p>OBJECTIVE 33:</p> <p>Use z-distributions to construct confidence intervals, determine sample size, and conduct significance tests from a single population proportion.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>

Subject: Mathematics
Course: Introduction to Statistics/On-Line Intro to Statistics
Grade Level: 10 - 12

Learning Objectives/Content	Teaching/Learning Activities	Evaluation Criteria	State Standard
<p>OBJECTIVE 34:</p> <p>Use z-distributions to construct confidence intervals, determine sample size, and conduct significance tests from a difference between two population proportions.</p>	<p>Given “real world” problems as presented in the book or by the teacher, the student will apply appropriate statistical methods to achieve an answer.</p> <p>Given “real world” data, the students will apply appropriate statistical methods to achieve an analysis.</p> <p>Students will generate their own data and apply appropriate statistical methods to achieve an analysis.</p> <p>Students will use graphing calculators with statistical function capability to aid in problem solving and analysis.</p>	<p>Homework, classroom discussions, activities, quizzes, and tests</p> <p>Online: On-line discussions, real world projects, tests</p>	<p>2.1.11.A 2.4.11.A.B.E 2.5.11.B.C.D 2.6.11.B</p>