

Please Note:

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Publisher Resource:

[The Practice of Statistics](#) – Fifth Edition – W.H. Freeman & Company
(Starnes, Tabor, Yates and Moore)

[Student Resources](#)**Other Course Supplemental Resources:**

[College Board](#)

[Khan Academy](#) – AP Statistics (in development)

Exam Practice:

[Released AP Exams – AP Central](#)

[AP Statistics Practice Questions - Learnerator](#)

[AP Statistics Practice Test](#)

[AP Statistics Exam Practice - CollegeBoard](#)

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

| | Week | Major Concepts / Topics | Possible Resources |
|------------------------------|--------------------|---|---|
| Quarter 1 Aug 16 – Oct 15 | 1 8/16 – 8/20 | <ul style="list-style-type: none"> Lesson 1.1 – Analyzing Categorical Data Lesson 1.2 – Displaying Quantitative Data with Graphs | Chapter 1 Notes - Dan Shuster <i>Course: AP/College Statistics - Khan Academy</i> <i>Unit: Analyzing categorical data - Khan Academy</i> <i>Unit: Displaying and describing quantitative data - Khan Academy</i> |
| | 2 8/23 – 8/27 | <ul style="list-style-type: none"> Lesson 1.3 – Describing Quantitative Data with Number Review Assessment | <i>Unit: Summarizing quantitative data - Khan Academy</i> |
| | 3 8/30 – 9/3 | <ul style="list-style-type: none"> Lesson 2.1 – Describing Location in a Distribution Lesson 2.2 – Density Curves and Normal Distribution | Chapter 2 Notes - Dan Shuster <i>Unit: Modeling data distributions - Khan Academy</i> |
| | 4 9/6 – 9/10 | <ul style="list-style-type: none"> Labor Day Holiday – 9/6 Review Assessment Lesson 3.1 – Scatterplots and Correlation | Chapter 3 Notes - Dan Shuster <i>Unit: Exploring bivariate numerical data - Khan Academy</i> |
| | 5 9/13 – 9/17 | <ul style="list-style-type: none"> Interims Issued – 9/14 Lesson 3.2 – Least-Squares Regression Review | |
| | 6 9/20 – 9/24 | <ul style="list-style-type: none"> Assessment Lesson 4.1 – Sampling and Surveys | Chapter 4 Notes - Dan Shuster <i>Unit: Study design - Khan Academy</i> |
| | 7 9/27 – 10/1 | <ul style="list-style-type: none"> Lesson 4.2 – Experiments | |
| | 8 10/4 – 10/8 | <ul style="list-style-type: none"> Lesson 4.3 – Using Studies Wisely | |
| | 9 10/11 – 10/15 | <ul style="list-style-type: none"> PSAT/NMSQT – 10/13 Review Assessment | Chapter 5 Notes - Dan Shuster <i>Unit: Probability - Khan Academy</i> |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

| | | | |
|--|--|--|--|
| | | <ul style="list-style-type: none">• Lesson 5.1 – Randomness, Probability, and Simulation | |
|--|--|--|--|

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

| | Week | Major Concepts / Topics | Possible Resources |
|------------------------------|---------------------|--|---|
| Quarter 2 Oct 18 – Dec 21 | 1 10/18 – 10/22 | <ul style="list-style-type: none"> Teacher Planning Day – 10/18 Lesson 5.2 – Probability Rules | Chapter 5 Notes - Dan Shuster |
| | 2 10/25 – 10/29 | <ul style="list-style-type: none"> Report Cards – 10/26 Lesson 5.3 – Conditional Probability Review | |
| | 3 11/1 – 11/5 | <ul style="list-style-type: none"> Assessment Lesson 6.1 – Discrete and Continuous Random Variables | Chapter 6 Notes - Dan Shuster <i>Unit: Random variables - Khan Academy</i> |
| | 4 11/8 – 11/12 | <ul style="list-style-type: none"> Veterans Day 11/11 Lesson 6.2 – Transforming and Combining Random Variables Lesson 6.3 – Binomial Geometric Random Variables | |
| | 5 11/15 – 11/19 | <ul style="list-style-type: none"> Interims Issued – 11/16 Review Assessment Lesson 7.1 – What is a Sampling Distribution? | Chapter 7 Notes - Dan Shuster <i>Unit: Sampling distributions - Khan Academy</i> |
| | 6 11/22 – 11/26 | <ul style="list-style-type: none"> Thanksgiving Holiday 11/24 – 11/26 Lesson 7.2 – Sample Proportions Lesson 7.3 – Sample Means | |
| | 7 11/29 – 12/3 | <ul style="list-style-type: none"> Review Assessment Standards Review | |
| | 8 12/6 – 12/10 | <ul style="list-style-type: none"> Standards Review | |
| | 9 12/13 – 12/17 | <ul style="list-style-type: none"> Standards Review | |
| | 10 12/20 – 12/24 | <ul style="list-style-type: none"> Second Quarter/First Semester Ends – 12/21 Winter Break – 12/22 – 1/4 Standards Review | |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

| | Week | Major Concepts / Topics | Possible Resources |
|-----------------------------|------------------|---|---|
| Quarter 3 Jan 6 – Mar 10 | 1 1/5 – 1/7 | <ul style="list-style-type: none"> Teacher Planning Day – 1/5 Lesson 8.1 – Confidence Intervals: The Basics | Chapter 8 Notes - Dan Shuster <i>Unit: confidence Intervals - Khan Academy</i> |
| | 2 1/10 – 1/14 | <ul style="list-style-type: none"> Lesson 8.2 – Estimating a Population Proportion | |
| | 3 1/17 – 1/21 | <ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Report Cards – 1/19 Lesson 8.3 – Estimating a Population Mean | |
| | 4 1/24 – 1/28 | <ul style="list-style-type: none"> Review Assess chapter Lesson 9.1 – Significance Tests: The Basics | Chapter 9 Notes - Dan Shuster <i>Unit: Significance tests - Khan Academy</i> |
| | 5 1/31 – 2/4 | <ul style="list-style-type: none"> Lesson 9.2 – Tests about a Population Proportion Lesson 9.3 – Tests about a Population Mean | |
| | 6 2/7 – 2/11 | <ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 Review Assessment | |
| | 7 2/14 – 2/18 | <ul style="list-style-type: none"> Lesson 10.1 – Comparing Two Proportion | Chapter 10 Notes - Dan Shuster <i>Unit: Inference comparing two groups or populations - Khan Academy</i> |
| | 8 2/21 – 2/25 | <ul style="list-style-type: none"> Presidents Day Holiday – 2/21 Lesson 10.2 – Comparing Two Means Review | |
| | 9 2/28 – 3/4 | <ul style="list-style-type: none"> Assessment Lesson 11.1 – Chi-Square Tests for Goodness of Fit | Chapter 11 Notes - Dan Shuster <i>Unit: Chi-square tests for categorical data - Khan Academy</i> |
| | 10 3/7 – 3/11 | <ul style="list-style-type: none"> Teacher Planning Day – 3/11 Lesson 11.2 – Inference for Two-Way Tables | |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

| | Week | Major Concepts / Topics | Possible Resources |
|------------------------------|-------------------|---|--|
| Quarter 4 Mar 14 – June 2 | 1 3/14 – 3/18 | <ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL | |
| | 2 3/21 – 3/25 | <ul style="list-style-type: none"> • Review • Assessment • Lesson 12.1 – Inference for Linear Regression | Chapter 12 Notes - Dan Shuster <i>Unit: More on regression - Khan Academy</i> |
| | 3 3/28 – 4/1 | <ul style="list-style-type: none"> • Report Cards – 3/29 • Lesson 12.2 – Transforming to Achieve Linearity | |
| | 4 4/4 – 4/8 | <ul style="list-style-type: none"> • Review • Assessment | |
| | 5 4/11 – 4/15 | <ul style="list-style-type: none"> • Holiday – 4/15 • Standards Review | <i>Course: AP/College Statistics - Khan Academy</i> |
| | 6 4/18 – 4/22 | <ul style="list-style-type: none"> • Holiday – 4/18 • Standards Review | |
| | 7 4/25 – 4/29 | <ul style="list-style-type: none"> • Interims Issued – 4/26 • Standards Review | |
| | 8 5/2 – 5/6 | <ul style="list-style-type: none"> • Standards Review | |
| | 9 5/9 – 5/13 | <ul style="list-style-type: none"> • Standards Review | |
| | 10 5/16 – 5/20 | <ul style="list-style-type: none"> • Standards Review | |
| | 11 5/23 – 5/27 | <ul style="list-style-type: none"> • Standards Review | |
| | 12 5/30 – 6/2 | <ul style="list-style-type: none"> • Memorial Day Holiday – 5/30 • Standards Review | |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.