

**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 time line 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 time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually 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<br>Aug 12 – Oct 11 | 1<br>8/12 – 8/16  | <ul style="list-style-type: none"> <li>Chapter 1 – Lesson 1.1 – Analyzing Categorical Data</li> <li>Lesson 1.2 – Displaying Quantitative Data with Graphs</li> <li>Lesson 1.3 – Describing Quantitative Data with Number</li> </ul> | Exploring Data (notes) – <a href="#">Dan Shuster</a>   |
|                              | 2<br>8/19 – 8/23  | <ul style="list-style-type: none"> <li>Chapter 1 – Lesson 1.3 – Describing Quantitative Data with Numbers</li> <li>Assessment on Chapter 1</li> </ul>   | Exploring Data (notes) – <a href="#">Dan Shuster</a>   |
|                              | 3<br>8/26 – 8/30  | <ul style="list-style-type: none"> <li>Chapter 2 – Lesson 2.1 – Describing Location in a Distribution</li> <li>Lesson 2.2 – Density Curves and Normal Distribution</li> </ul>   | Modeling Distributions of Data (notes) – <a href="#">Dan Shuster</a>   |
|                              | 4<br>9/3 – 9/6    | <ul style="list-style-type: none"> <li>Assessment on Chapter 2</li> <li>Chapter 3 – Lesson 3.1 – Scatterplots and Correlation</li> </ul>  | Modeling Distributions of Data (notes) – <a href="#">Dan Shuster</a><br>Describing Relationships (notes) – <a href="#">Dan Shuster</a> |
|                              | 5<br>9/9 – 9/13   | <ul style="list-style-type: none"> <li>Chapter 3 – Lesson 3.1 – Scatterplots and Correlation</li> <li>Lesson 3.2 – Least-Squares Regression</li> </ul>  | Describing Relationships (notes) – <a href="#">Dan Shuster</a>   |
|                              | 6<br>9/16 – 9/20  | <ul style="list-style-type: none"> <li>Chapter 3 – Lesson 3.2 – Least-Squares Regression</li> <li>Assessment on Chapter 3</li> <li>Chapter 4 – Lesson 4.1 – Sampling and Surveys</li> </ul>   | Describing Relationships (notes) – <a href="#">Dan Shuster</a><br>Designing Studies (notes) – <a href="#">Dan Shuster</a>              |
|                              | 7<br>9/23 – 9/27  | <ul style="list-style-type: none"> <li>Chapter 4 – Lesson 4.1 – Sampling and Surveys</li> <li>Lesson 4.2 - Experiments</li> </ul>   | Designing Studies (notes) – <a href="#">Dan Shuster</a>  |
|                              | 8<br>9/30 – 10/4  | <ul style="list-style-type: none"> <li>Chapter 4 – Lesson 4.2 – Experiments</li> <li>Lesson 4.3 – Using Studies Wisely</li> </ul>   | Designing Studies (notes) – <a href="#">Dan Shuster</a>  |
|                              | 9<br>10/7 – 10/11 | <ul style="list-style-type: none"> <li>Assessment on Chapter 4</li> <li>Chapter 5 – Lesson 5.1 – Randomness, Probability, and Simulation</li> </ul>   | Designing Studies (notes) – <a href="#">Dan Shuster</a><br>Probability: What are the Chances (notes) – <a href="#">Dan Shuster</a>     |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually 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<br>Oct 15 – Dec 20 | 1<br>10/15 – 10/18  | <ul style="list-style-type: none"> <li>Chapter 5 – Lesson 5.2 – Probability Rules</li> </ul>   | Probability: What are the Chances (notes) – <a href="#">Dan Shuster</a>  |
|                              | 2<br>10/21 – 10/25  | <ul style="list-style-type: none"> <li>Chapter 5 – Lesson 5.3 – Conditional Probability</li> </ul>   | Probability: What are the Chances (notes) – <a href="#">Dan Shuster</a>  |
|                              | 3<br>10/28 – 11/1   | <ul style="list-style-type: none"> <li>Assessment on Chapter 5</li> <li>Chapter 6 – Lesson 6.1 – Discrete and Continuous Random Variables</li> <li>Lesson 6.2 – Transforming and Combining Random Variables</li> </ul> | Probability: What are the Chances (notes) – <a href="#">Dan Shuster</a><br>Discrete, Binomial & Geometric Random Variables (notes) – <a href="#">Dan Shuster</a> |
|                              | 4<br>11/4 – 11/8    | <ul style="list-style-type: none"> <li>Chapter 6 – Lesson 6.2 – Transforming and Combining Random Variables</li> <li>Lesson 6.3 – Binomial Geometric Random Variables</li> </ul>                                       | Discrete, Binomial & Geometric Random Variables (notes) – <a href="#">Dan Shuster</a>  |
|                              | 5<br>11/12 – 11/15  | <ul style="list-style-type: none"> <li>Assessment on Chapter 6</li> <li>Chapter 7 – Lesson 7.1 – What is a Sampling Distribution?</li> </ul>   | Discrete, Binomial & Geometric Random Variables (notes) – <a href="#">Dan Shuster</a><br>Sampling Distributions (notes) – <a href="#">Dan Shuster</a>            |
|                              | 6<br>11/18 – 11/22  | <ul style="list-style-type: none"> <li>Chapter 7 – Lesson 7.1 – What is a Sampling Distribution?</li> </ul>  | Sampling Distributions (notes) – <a href="#">Dan Shuster</a>   |
|                              | 7<br>11/25 – 11/26  | <ul style="list-style-type: none"> <li>Chapter 7 – Lesson 7.2 – Sample Proportions</li> <li>Lesson 7.3 – Sample Means</li> </ul>   | Sampling Distributions (notes) – <a href="#">Dan Shuster</a>   |
|                              | 8<br>12/2 – 12/6    | <ul style="list-style-type: none"> <li>Assessment Chapter 7</li> <li>Chapter 8 – Lesson 8.1 – Confidence Intervals: The Basics</li> </ul>  | Sampling Distributions (notes) – <a href="#">Dan Shuster</a><br>Estimating with Confidence (notes) – <a href="#">Dan Shuster</a>                                 |
|                              | 9<br>12/9 – 12/13   | <ul style="list-style-type: none"> <li>Chapter 8 – Lesson 8.2 – Estimating a Population Proportion</li> <li>Semester Review</li> </ul>   | Estimating with Confidence (notes) – <a href="#">Dan Shuster</a>   |
|                              | 10<br>12/16 – 12/20 | <ul style="list-style-type: none"> <li>Exams</li> </ul>  |  |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually 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<br>Jan 6 – Mar 12 | 1<br>1/6– 1/10   | <ul style="list-style-type: none"> <li>Chapter 8 – Lesson 8.3 – Estimating a Population Mean</li> </ul>  | Estimating with Confidence (notes) – <a href="#">Dan Shuster</a>   |
|                             | 2<br>1/13 – 1/17 | <ul style="list-style-type: none"> <li>Assessment on Chapter 8</li> <li>Chapter 9 – Lesson 9.1 – Significance Tests: The Basics</li> <li>Lesson 9.2 – Tests about a Population Proportion</li> </ul> | Estimating with Confidence (notes) – <a href="#">Dan Shuster</a><br>Testing a Claim (notes) – <a href="#">Dan Shuster</a>                            |
|                             | 3<br>1/21 – 1/24 | <ul style="list-style-type: none"> <li>Chapter 9 – Lesson 9.3 – Tests about a Population Mean</li> </ul>   | Testing a Claim (notes) – <a href="#">Dan Shuster</a>  |
|                             | 4<br>1/27 – 1/30 | <ul style="list-style-type: none"> <li>Assessment on Chapter 9</li> <li>Chapter 10 – Lesson 10.1 – Comparing Two Proportion</li> </ul>   | Testing a Claim (notes) – <a href="#">Dan Shuster</a><br>Comparing Two Population Parameters (notes) – <a href="#">Dan Shuster</a>                   |
|                             | 5<br>2/3 – 2/7   | <ul style="list-style-type: none"> <li>Chapter 10 – Lesson 10.1 – Comparing Two Proportion</li> <li>Lesson 10.2 – Comparing Two Means</li> </ul>   | Comparing Two Population Parameters (notes) – <a href="#">Dan Shuster</a>  |
|                             | 6<br>2/10 – 2/14 | <ul style="list-style-type: none"> <li>Assessment Chapter 10</li> </ul>  | Comparing Two Population Parameters (notes) – <a href="#">Dan Shuster</a>  |
|                             | 7<br>2/17 – 2/21 | <ul style="list-style-type: none"> <li>Chapter 11 – Lesson 11.1 – Chi-Square Tests for Goodness of Fit</li> <li>Lesson 11.2 – Inference for Two-Way Tables</li> </ul>                                | Inference for Distributions of Categorical Data (notes) – <a href="#">Dan Shuster</a>  |
|                             | 8<br>2/24 – 2/28 | <ul style="list-style-type: none"> <li>Chapter 11 – Lesson 11.2 – Inference for Two-Way Tables</li> </ul>  | Inference for Distributions of Categorical Data (notes) – <a href="#">Dan Shuster</a>  |
|                             | 9<br>3/2 – 3/6   | <ul style="list-style-type: none"> <li>Assessment on Chapter 11</li> <li>Chapter 12 – Lesson 12.1 – Inference for Linear Regression</li> </ul>   | Inference for Distributions of Categorical Data (notes) – <a href="#">Dan Shuster</a><br>More about Regression (notes) – <a href="#">Dan Shuster</a> |
|                             | 10<br>3/9 – 3/12 | <ul style="list-style-type: none"> <li>Chapter 12 - Lesson 12.1 – Inference for Linear Regression</li> </ul>   | More about Regression (notes) – <a href="#">Dan Shuster</a>  |

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually 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<br>Mar 23 – May 27 | 1<br>3/16 – 3/20  | <ul style="list-style-type: none"> <li>• <b>SPRING BREAK – NO SCHOOL</b></li> </ul>  |  |
|                              | 2<br>3/23 – 3/27  | <ul style="list-style-type: none"> <li>• Chapter 12 – Lesson 12.2 – transforming to Achieve Linearity</li> </ul>                 | More about Regression (notes) – <a href="#">Dan Shuster</a>  |
|                              | 3<br>3/30 – 4/3   | <ul style="list-style-type: none"> <li>• Assessment Chapter 12</li> </ul>  | More about Regression (notes) – <a href="#">Dan Shuster</a><br>Review - <a href="#">Khan Academy</a> |
|                              | 4<br>4/6 – 4/9    | <ul style="list-style-type: none"> <li>• Review for AP Exam</li> </ul>   | Review - <a href="#">Khan Academy</a>  |
|                              | 5<br>4/14 – 4/17  | <ul style="list-style-type: none"> <li>• Review for AP Exam</li> </ul>   | Review - <a href="#">Khan Academy</a>  |
|                              | 6<br>4/20 – 4/24  | <ul style="list-style-type: none"> <li>• Review for AP Exam</li> </ul>   | Review - <a href="#">Khan Academy</a>  |
|                              | 7<br>4/27 – 5/1   | <ul style="list-style-type: none"> <li>• Review for AP Exam</li> </ul>   | Review - <a href="#">Khan Academy</a>  |
|                              | 8<br>5/4 – 5/8    | <ul style="list-style-type: none"> <li>• Review for AP Exam</li> </ul>   | Review - <a href="#">Khan Academy</a>  |
|                              | 9<br>5/11 – 5/15  | <ul style="list-style-type: none"> <li>• Review for AP Exam</li> <li>• <b>AP Exam Friday, May 15, 2020 12:00 noon</b></li> </ul> | Review - <a href="#">Khan Academy</a>  |
|                              | 10<br>5/18 – 5/22 | <ul style="list-style-type: none"> <li>• Project</li> </ul>  |  |
|                              | 11<br>5/25 – 5/27 | <ul style="list-style-type: none"> <li>• Project</li> </ul>  |  |

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