**AP Statistics Q1 Pace Planner**

|  |
| --- |
| **Quarter 1: August 8, 2016 – October 7, 2016** |
| **Week****1** | August 8, 2016 – August 12, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 0.00 Welcome | 30 |  |  |
| Lesson 1.01 Introduction to Univariate Data | 30 |  |  |
| Lesson 1.02a Pie Charts | 30 |  |  |
| Lesson 1.02b Graphical Displays of Categorical Data: Bar Charts | 30 |  |  |
| Lesson 1.03 Graphical Displays of Quantitative Data 1 | 30 |  |  |
| Lesson 1.04 Graphical Displays of Quantitative Data 2 | 30 |  |  |
| Lesson 1.05a Graphical Displays of Quantitative Data 3 | 30 |  |  |
| Lesson 1.05b Quiz 1  | 40 |  |  |
| Lesson 1.06 Measuring the Center (Assignment continues into next week) | 19 | 269 |  |
| **Week****2** | August 15, 2016 – August 19, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 1.06 Measuring the Center(Assignment continued from previous week) | 11 |  |  |
| Lesson 1.07 Measuring the Spread | 30 |  |  |
| Lesson 1.08 The Five-number Summary and Boxplots | 30 |  |  |
| Lesson 1.09a Review of Describing Distributions | 30 |  |  |
| Lesson 1.09b Quiz 2 | 40 |  |  |
| Lesson 1.10 Density Curves | 30 |  |  |
| Lesson 1.11 The Normal Curves | 30 |  |  |
| Lesson 1.12 Standardized Scores | 30 |  |  |
| Lesson 1.13 Normal Distribution Calculations | 30 | 261 |  |
| **Week****3** | August 22, 2016 – August 26, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 1.14a Assessing Normality | 30 |  |  |
| Lesson 1.14b Quiz 3 | 40 |  |  |
| Lesson 1.15 Discussion Based Assessment | 20 |  | *\*Schedule with Ms. Clark* |
| Lesson 1.16 Module One Test | 90 |  |  |
| Lesson 2.01 Introduction to Bivariate Data | 30 |  |  |
| Lesson 2.02 Creating Scatterplots | 30 |  |  |
| Lesson 2.03 Interpreting Scatterplots | 30 | 270 |  |
| **Week****4** | August 29, 2016 – September 2, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 2.04a Correlation | 30 |  |  |
| Lesson 2.4b Quiz 1 | 40 |  |  |
| Lesson 2.5 The Least Square Regression Line | 45 |  |  |
| Lesson 2.06a Residual and Residual Plots  | 45 |  |  |
| Lesson 2.06b Quiz 2 | 40 |  |  |
| Lesson 2.07 Correlation and Regression Details | 30 |  |  |
| Lesson 2.08 Non-linear Data | 45 | 275 |  |
| **Week****5** | September 5, 2016 – September 9, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 2.09 Exponential Models | 45 |  | *\*Monday, September 5- Labor Day**No School for students* |
| Lesson 2.10a Power Models | 45 |  |  |
| Lesson 2.10b Quiz 3 | 40 |  |  |
| Lesson 2.11 Bivariate, Categorical Data | 30 |  |  |
| Lesson 2.12a Simpson’s Paradox and Other Cautions | 30 |  |  |
| Lesson 2.12b Quiz 4 | 40 |  |  |
| Lesson 2.13 Discussion Based Assessment | 20 | 250 | *\*Schedule with Ms. Clark* |
| **Week****6** | September 12, 2016 – September 16, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 2.14 Module Two Test | 90 |  | *\*Friday, September 16- Staff Development Day* *No School for students* |
| Lesson 3.01 Introduction to Studies, Experiments, and Simulations | 30 |  |  |
| Lesson 3.02 Designing Samples and Surveys | 45 |  |  |
| Lesson 3.03 The SRS | 45 |  |  |
| Lesson 3.04 Bad Sampling | 30 | 240 |  |
| **Week****7** | September 19, 2016 – September 23, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 3.05 Good Sampling | 60 |  |  |
| Lesson 3.06a Cautions about Sampling | 60 |  |  |
| Lesson 3.06b Quiz 1 | 45 |  |  |
| Lesson 3.07 Experimental Design | 45 |  |  |
| Lesson 3.08 Different Experimental Designs | 45 | 255 |  |
| **Week****8** | September 26, 2016 – September 30, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 3.09a Cautions about Experiments | 60 |  |  |
| Lesson 3.09b Quiz 2 | 45 |  |  |
| Lesson 3.10 Simulations (Assignment continues into next week) | 45 |  |  |
| Lesson 3.11 Generalizability | 45 |  |  |
| Lesson 3.12 Discussion Based Assessment | 20 | 215 | *\*Schedule with Ms. Clark* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week****9** | October 3, 2016 – October 7, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 3.13 Module Three Test | 120 |  | *\*Q1 Grades will be calculated using grades from lessons 1.01-3.13* |
| Lesson 4.01 Introduction and Definition of Probability | 45 |  |  |
| Lesson 4.02 Sample Spaces and Counting | 45 |  |  |
| Lesson 4.03 Complements, Disjoint Events, and Addition Rules | 60 | 270 |  |
| **End of 1st Quarter** |
| **Fall Break** |

**AP Statistics Q2 Pace Planner**

|  |
| --- |
| **Quarter 2: October 17, 2016 – December 16, 2016** |
| **Week****1** | October 17, 2016 – October 21, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 4.04a Independence and the Multiplication Rule | 45 |  |  |
| Lesson 4.04b Quiz 1 | 60 |  |  |
| Lesson 4.05 Unions, Venn Diagrams, and more Probability | 45 |  |  |
| Lesson 4.06a Conditional Probability | 60 |  |  |
| Lesson 4.06b Quiz 2 | 60 | 270 |  |
| **Week****2** | October 24, 2016 – October 28, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 4.07 Tree Diagrams and more Probability | 60 |  |  |
| Lesson 4.08 Discrete Random Variables | 60 |  |  |
| Lesson 4.09 Continuous Random Variable | 60 |  |  |
| Lesson 4.10 Mean and Variance of Random Variable | 60 | 240 |  |
| **Week****3** | October 31, 2016 – November 4, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 4.11a The Law of Large Numbers and Rules for Means and Variances | 60 |  |  |
| Lesson 4.11b Quiz 3 | 60 |  |  |
| Lesson 4.12 Discussion Based Assessment | 20 |  | *\*Schedule with Ms. Clark* |
| Module Four Test  | 120 | 260 |  |
| **Week****4** | November 7, 2016 – November 11, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 5.01 Introduction to Binomial Settings | 60 |  | *\*Friday, November 11- Veteran’s Day**No School for students* |
| Lesson 5.02 Finding Binomial Probabilities | 90 |  |  |
| Lesson 5.03 The Binomial Formula, Mean, and Standard Deviation | 90 | 240 |  |
| **Week****5** | November 14, 2016 – November 18, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 5.04a Practice with Binomial Distributions  | 60 |  |  |
| Lesson 5.04b Quiz 1 | 60 |  |  |
| Lesson 5.05 Geometric Settings | 60 |  |  |
| Lesson 5.06 Calculating Geometrical Probabilities, Mean, and Standard Deviation | 90 | 270 |  |
| **Week****6** | November 21, 2016 – November 25, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 5.07 Additional Practice with Binomial and Geometrical Distributions | 40 |  | *\*Wednesday-Friday, November 23-25 Thanksgiving Break No School for students* |
| Lesson 5.07b Quiz 2 | 60 | 100 |  |
| **Week****7** | November 28, 2016 – December 2, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 5.08 Introduction to Sampling Distributions | 60 |  |  |
| Lesson 5.09 Sample Proportions | 90 |  |  |
| Lesson 5.10 Sample Means | 90 |  |  |
| Lesson 5.11 The Central Limit Theorem | 90 | 330 |  |
| **Week****8** | December 5, 2016 – December 9, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 5.12a Review of Random Variables and Sampling Distributions | 60 |  |  |
| Lesson 5.12b Quiz 3 | 60 |  |  |
| Lesson 5.13 Discussion Based Assessment | 20 |  | *\*Schedule with Ms. Clark* |
| Lesson 5.14 Module Five Test | 120 |  |  |
| **Week****9** | December 12, 2016 – December 16, 2016 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Segment One Exam | 120 |  | *\*Q2 Grades will be calculated using grades from lessons 4.01-5.14* |

**AP Statistics Q3 Pace Planner**

|  |
| --- |
| **Quarter 3: January 3, 2017 – March 10, 2017** |
| **Week****1** | January 3, 2017 – January 6, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 6.01 Confidence Intervals  | 120 |  |  |
| Lesson 6.02 Sample Size and Confidence Interval Behavior | 120 |  |  |
| Lesson 6.03 Confidence Intervals and the Calculator | 120 | 360 |  |
| **Week****2** | January 9, 2017 – January 13, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 6.04 The Significance Test | 120 |  |  |
| Lesson 6.05 Statistical Significance | 90 |  |  |
| Lesson 6.06 Connecting Confidence Intervals and Tests of Significance  | 120 | 330 |  |
| **Week****3** | January 16, 2017 – January 20, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 6.06b Quiz 2 | 40 |  | *\*Monday, January 16- Martin Luther King Jr. Holiday No School for students* |
| Lesson 6.07 Significance Tests and Decision Making | 90 |  |  |
| Lesson 6.08 Errors and Power | 90 |  |  |
| Lesson 6.09a Review of Confidence Intervals and Significance Tests | 120 | 340 |  |
| **Week****4** | January 23, 2017 – January 27, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 6.09b Quiz 3 | 120 |  |  |
| Lesson 6.10 Discussion Based Assessment | 20 |  | *\*Schedule with Ms. Clark* |
| Lesson 6.11 Module Six Test | 120 | 260 |  |
| **Week****5** | January 30, 2017 – February 3, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 7.01 Confidence Intervals for T | 120 |  |  |
| Lesson 7.02 Significance Test for T | 120 |  |  |
| Lesson 7.03 Conditions for T Testing | 60 | 300 |  |
| **Week****6** | February 6, 2017– February 10, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 7.04a T Distributions and the Calculator | 120 |  | *\*Friday, February 10- Staff Development Day* *No School for students* |
| Lesson 7.04b Quiz 1 | 40 |  |  |
| Lesson 7.05 Intervals for Comparing Two Means | 90 | 250 |  |
| **Week****7** | February 13, 2017– February 17, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 7.06 Tests for Comparing Two Means | 120 |  |  |
| Lesson 7.07 Review, Two Means, and the Calculator | 90 |  |  |
| Lesson 7.08 Confidence Intervals for Proportions | 90 | 300 |  |
| **Week****8** | February 20, 2017– February 24, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 7.09 Significance Tests for Proportions | 120 |  |  |
| Lesson 7.10a Choosing Sample Size and Using Your Calculator | 120 |  |  |
| Lesson 7.10b Quiz 2 | 40 | 280 |  |
| **Week****9** | February 27, 2017– March 3, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 7.11 Confidence Intervals and Two Proportions | 90 |  |  |
| Lesson 7.12 Significance Test for Two Proportions | 90 |  |  |
| Lesson 7.13 Discussion Based Assessment | 20 | 200 | *\*Schedule with Ms. Clark* |
| **Week****10** | March 6, 2017 – March 10, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 7.14 Module Seven Test | 120 |  | *\*Q3 Grades will be calculated using grades from lessons 6.01-7.14* |
| Lesson 8.01 Chi-Squared Test for Goodness of Fit | 90 |  |  |
| Lesson 8.02a Good ness of Fit Conditional and the Calculator Quiz 1 | 150 | 360 |  |
| **End of 3rd Quarter** |
| **Spring Break** |

**AP Statistics Q4 Pace Planner**

|  |
| --- |
| **Quarter 4: March 20, 2017 – May 26, 2017** |
| **Week****1** | March 20, 2017 – March 24, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 8.02b Quiz 1 | 40 |  |  |
| Lesson 8.03 Chi-Squared Test of Association/Independence | 30 |  |  |
| Lesson 8.04 Chi-Squared Test of Independence: Conditions and the Calculator | 30 |  |  |
| Lesson 8.05 Inference for Regression: Estimating Slope | 90 |  |  |
| Lesson 8.06 Regression for Testing Slope | 90 | 280 |  |
| **Week****2** | March 27, 2017 – March 31, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 8.07 Discussion Based Assessment | 20 |  | *\*Schedule with Ms. Clark* |
| Lesson 8.08 Module Eight Test | 120 |  |  |
| Lesson 9.01 Multiple Choice Practice AP Test | 90 | 230 |  |
| **Week****3** | April 3, 2017 – April 7, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 9.02 How to Choose the Right Test | 90 |  |  |
| Lesson 10.00 Project Introduction | 200 | 290 |  |
| **Week****4** | April 10, 2017 – April 14, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 10.01 Project Proposal | 200 |  | *\*Friday, April 14- Good Friday* *No School for students* |
| Lesson 10.02 Scoring and Check Point | 120 | 360 |  |
| **Week****5** | April 17, 2017 – April 21, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 10.02 Scoring and Check Point (cont.) | 120 |  |  |
| Lesson 10.03 Cumulative Project | 120 | 240 |  |
| **Week****6** | April 24, 2017 – April 28, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 10.03 Cumulative Project (cont.) | 120 |  |  |
| Lesson 10.04 Project Discussion Based Assessment | 20 |  | *\*Schedule with Ms. Clark* |
| **Week****7** | May 1, 2017– May 5, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Review for AP Exam |  |  |  |
| **Week****8** | May 8, 2017– May 12, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | AP Exam |  |  | *\*Thursday, May 11- AP Exam* |
| **Week****9** | May 15, 2017– May 19, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Segment Two Exam Review |  |  |  |
| **Week****10** | May 22, 2017– May 26, 2017 | Estimated Time(mins.) | Mastered/Complete | Additional Notes |
|  | Lesson 10.05 Segment Two Exam |  |  | *\*Q4 Grades will be calculated using grades from lessons 8.01-* |