AP Statistics Curriculum Map

Textbook Used: The Practice of Statistics for the AP Exam, 5th Ed. By Starnes, Tabor, Yates, and Moore, W.H. Freeman and Company/BFW New York, 2015. ISBN: 978-1-4641-0873-0

Chapter 1: Graphs and Number Summaries (Aug-Sept.—10 Days)
1.1 Analyzing Categorical Data
1.2 Displaying Quantitative Data with Graphs
1.3 Describing Quantitative Data with Numbers

Chapter 2: Normal Distributions and Percentiles (Sept.—10 days)
2.1 Describing Location in a Distribution
2.2 Density Curves and Normal Distributions

Chapter 3: Scatterplots and Correlation (Sept-Oct – 10 days)
3.1 Scatterplots and Correlation
3.2 Least-Squares Regression

Chapter 4: Sampling and Experiments (Oct – 18 Days)
4.1 Sampling and Surveys
4.2 Experiments

Chapter 5: Probability (Nov – 17 days)
5.1 Randomness, Probability, and Simulation
5.2 Probability Rules
5.3 Conditional Probability and Independence

Chapter 6: Random Variables (Nov-Dec –16 days)
6.1 Discrete and Continuous Random Variables
6.2 Transforming and Combining Random Variables
6.3 Binomial and Geometric Random Variables

Semester 1 Review and Cumulative Final Exam (Dec – 4 days)

Chapter 7: Sampling Distributions (Jan – 10 days)
7.1 What is a Sampling Distribution
7.2 Sample Proportions
7.3 Sample Means

Chapter 8: Confidence Intervals (Jan-Feb – 11 days)
8.1 Confidence Intervals: The Basics
8.2 Estimating a Population Proportion
8.3 Estimating a Population Mean

Chapter 9: Hypothesis Tests (Feb – 16 days)
9.1 Significance Tests: The Basics
9.2 Tests about a Population Proportion
9.3 Tests about a Population Mean

Chapter 10: Comparing two populations (Mar – 10 days)
10.1 Comparing Two Proportions
10.2 Comparing Two Means

Cumulative ¾ Midterm (Mar – 2 days)

Chapter 11: Chi-Square Tests (Mar-Apr – 10 days)
11.1 Chi-Square Tests for Goodness of Fit
11.2 Inference for Two-Way Tables

Chapter 12: Linear Regression T-Test (Apr – 10 days)
12.1 Inference for Linear Regression
12.2 Transforming to Achieve Linearity

Final Exam Review (Apr-May – 10 days)

Final Project (May – 6 days)