



# AP Statistics UNIT PLANNER



<b>Unit title</b>	<b>Unit 1: 1-Variable Data</b>	<b>Unit duration</b>	<b>8 Class Blocks</b>
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**Essential Questions (OR GUIDING QUESTIONS?)**

How do we determine if our results are significant or can happen by chance alone?  
 How can we display and describe categorical data?  
 How can we display and describe quantitative data?  
 How do I discuss and compare 1-variable data?  
 How do I determine what statistic is best to describe a certain data set?

**Assessments**

Common Formative Assessment – Ticket out the Door, Homework, Group Presentations, Quiz  
 Common Summative Assessment – Unit 1 Test (50% Multiple Choice/50% Free Response)

**Content Standards**

Topic I: Exploring data: describing patterns and departures from patterns (all one variable)

**Learning Activities and Experiences**

Topic	Resource	Content Covered	Standards Addressed
Analyzing Categorical Data	Activities: What is your favorite toy?	Pie charts, bar graphs, tables,	Topic 1
	<b>Additional Resources:</b> <ul style="list-style-type: none"> <li>The Practice of Statistics, 5<sup>th</sup> Edition: Section 1.1 – Analyzing Categorical Data</li> </ul>		

Displaying Quantitative Data	Activities: How many pairs of shoes do you own?	Measures of spread, center, outliers. Discussion of shape, histograms, box and whisker, stem and leaf	Topic 1
	How many colleges are you applying to?	Measures of spread, center, outliers. Discussion of shape, histograms, box and whisker, stem and leaf	Topic 1
	Where do you Stand?	Measures of spread, center, outliers. Discussion of shape, histograms, box and whisker, stem and leaf	Topic 1
	<p><b>Additional Resources:</b></p> <ul style="list-style-type: none"> <li>• The Practice of Statistics, 5<sup>th</sup> Edition: Section 1.2 – Displaying Quantitative Data with Graphs</li> <li>• The Practice of Statistics, 5<sup>th</sup> Edition: Section 1.3 – Describing Quantitative Data with Numbers</li> <li>• Who is baseball’s greatest homerun hitter?</li> </ul>		

### Personalized Learning and Differentiation

Teachers differentiate by providing examples (work samples or task-specific clarifications of assessment criteria); structuring support (advance organizers, flexible grouping, peer relationships); establishing flexible deadlines, and adjusting the pace.

- SWD/504- Accommodations provided
- ELL- Five Principle ELL Curriculum Framework and Vocabulary Supports
- Intervention Support- Re-teaching Activities in Small Groups with Progress Monitoring
- Extensions- Enrichment Tasks and Projects

### Resources

All notes are provided on schoology.  
The Practice of Statistics 5<sup>th</sup> edition  
AP College Board