



# AHHS AP Statistics YAG 2023– 2024



First Semester		Second Semester	
1 <sup>st</sup> Nine Weeks		3 <sup>rd</sup> Nine Weeks	
<p><b>CB Skills</b> 1.A, 2.A-D, 3.A, 4.B</p> <p>1.A, 2.A-D, 3.A, 4.B</p> <p>1.A, 2.A-D, 4.B</p> <p>1.A-C, 4.A-B</p>	<p><b>Unit 1: Exploring Data</b> (10 days)</p> <ul style="list-style-type: none"> <li>Students will organize data graphically and tabularly</li> </ul> <p><b>Unit 2: Modeling Distributions of Data</b> (8 days)</p> <ul style="list-style-type: none"> <li>Students will describe measures from normal distributions and density curves</li> </ul> <p><b>Unit 3: Describing Relationships</b> (10 days)</p> <ul style="list-style-type: none"> <li>Students will describe distributions of two-variable quantitative data</li> </ul> <p><b>Unit 4: Designing Studies</b> (12 days)</p> <ul style="list-style-type: none"> <li>Students will explore bias and good sampling and experimental design.</li> </ul>	<p><b>CB Skills</b> 1.A, 1.D, 3.C-D, 4.A-D</p> <p>1.A, 1.E-F, 3.E, 4.A-E</p> <p>1.A, 1.D-F, 3.C-E, 4. A-E</p> <p>1.A, 1.E-F, 3.A, 3.C, 3.E, 4.B-C, 4.E</p>	<p><b>Unit 8: Confidence Intervals</b> (10 days)</p> <ul style="list-style-type: none"> <li>Students will estimate population parameters with confidence intervals.</li> </ul> <p><b>Unit 9: Significance Tests</b> (12 days)</p> <ul style="list-style-type: none"> <li>Students will test hypotheses of a parameter using significance tests.</li> </ul> <p><b>Unit 10: Inference for Two Populations</b> (10 Days)</p> <ul style="list-style-type: none"> <li>Students will perform test and construct confidence intervals for two variable data.</li> </ul> <p><b>Unit 11: Chi-Square Tests</b> (8 Days)</p> <ul style="list-style-type: none"> <li>Students will use chi-square tests to examine hypotheses of categorical data.</li> </ul>
2 <sup>nd</sup> Nine Weeks		4 <sup>th</sup> Nine Weeks	
<p><b>CB Skills</b> 1.A, 2.B, 3.A-C, 4.B</p> <p>1.A, 2.B, 3.A-C, 4.B</p> <p>1.A, 3.A-C, 4.B</p>	<p><b>Unit 5: Probability</b> (12 days)</p> <ul style="list-style-type: none"> <li>Students will explore randomness and probability of random events.</li> </ul> <p><b>Unit 6: Random Variables</b> (16 days)</p> <ul style="list-style-type: none"> <li>Students will explore discrete and continuous random variables.</li> </ul> <p><b>Unit 7: Sampling Distributions</b> (10 days)</p> <ul style="list-style-type: none"> <li>Students will use sampling distributions of sample statistics.</li> </ul> <p><b>Semester Exam/Review</b> (2 Days)</p>	<p><b>CB Skills</b> 1.A, 1.D-F, 3.D-E, 4.A-D</p>	<p><b>Unit 12: Tests for Slope</b> (10 Days)</p> <ul style="list-style-type: none"> <li>Students will use tests for slope to infer about relationships between two quantitative variables.</li> </ul> <p><b>AP Exam Review</b> (26 days)</p> <ul style="list-style-type: none"> <li>Students will review concepts throughout the year in multiple choice and free-response form.</li> </ul> <p><b>Final Exam/Review</b> (4 Days)</p>

## Resources

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
Textbook: <a href="#">The Practice of Statistics, 5th Edition</a>	Textbook: <a href="#">The Practice of Statistics, 5th Edition</a>	Textbook: <a href="#">The Practice of Statistics, 5th Edition</a>	Textbook: <a href="#">The Practice of Statistics, 5th Edition</a>



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