



# AP Statistics UNIT PLANNER



<b>Unit title</b>	<b>Unit 2: Normal Distribution</b>		<b>Unit duration</b>	<b>7 Class Blocks</b>
<b>Essential Questions (OR GUIDING QUESTIONS?)</b>				
<p>Where do I stand?          What are characteristics of a normal distribution?          How are z scores/percentiles useful when comparing different distributions?          How do I tell if a distribution is normal?</p>				
<b>Assessments</b>				
<p>Common Formative Assessment – Ticket out the Door, Homework, Group Presentations, Quiz          Common Summative Assessment – Unit 2 Test (50% Multiple Choice/50% Free Response)</p>				
<b>Content Standards</b>				
Topic III: Anticipating Patterns. C. Normal Distributions				
<b>Learning Activities and Experiences</b>				
<b>Topic</b>	<b>Resource</b>	<b>Content Covered</b>	<b>Standards Addressed</b>	
2.1 Describing Location in a Distribution	Activities: Where do I stand Part 2; How Did I Do?	Percentiles, Cumulative Relative Frequency Graphs	Topic III	
	<b>Additional Resources:</b> <ul style="list-style-type: none"> <li>The Practice of Statistics, 5<sup>th</sup> Edition – 2.1 Describing Location in a Distribution</li> </ul>			
2.2 Density Curves and Normal Distributions	Activities: Normal Distribution Bingo	Normal Distributions characteristics, calculations (including z scores)	Topic III	
	Will Marty Make it Back to the Future?	Normal Distributions characteristics, calculations (including z scores)	Topic III	
	<b>Additional Resources:</b> <ul style="list-style-type: none"> <li>The Practice of Statistics, 5<sup>th</sup> Edition – 2.2 Density Curves and Normal Distributions</li> </ul>			
<b>Personalized Learning and Differentiation</b>				

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

**Curriculum Unit Approval Statement**

***Every team member is expected to read and review the unit planner and contents contained in the unit planner.***

This unit meets the rigorous review and approval process of Marietta City Schools. All components of the unit have been reviewed and approved including learning experiences, materials, resources, texts, and assessments. This unit's components:

- Are aligned to Georgia Standards of Excellence and MYP/DP subject area guide (if applicable)
- Are aligned to the pacing of the approved Subject Group Overview
- Provide resources that are appropriate for students' grade level, subject/course level, etc.
- Provide learning experiences that prepare students for course assessments

PLCs review each learning experience using three criteria and collaborate to provide explicit and specific information.

<p><b>Criteria I: Standards Alignment:</b></p> <p><i>Learning experiences should provide alignment to the standards and the MYP subject area guide (if applicable).</i></p>	<p><b>Criteria II: Materials, Resources, and Text Complexity and Controversial Topics and Issues:</b></p> <p><i>Materials, resources, and texts are grade level and content appropriate.</i></p>	<p><b>Criteria III: Assessment Alignment:</b></p> <p><i>Since assessment drives instruction, learning experiences must align to and prepare students for regular common formative and summative assessments used to determine whether students are mastering standards-based content and ATL skills.</i></p>
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**Common Formative and Summative Assessments**

Common Formative and Summative Assessments		
<b>Assessment Title</b>	<b>Criteria I:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding the <u>alignment of learning experiences, materials, and resources to:</u> <ol style="list-style-type: none"> <li>1. <b>State Standards</b></li> <li>2. <b>MYP/DP (if applicable) components</b></li> <li>3. <b>Aligned to learning experiences</b></li> </ol> Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution.	<b>Criteria II:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding <ol style="list-style-type: none"> <li>1. <b>Complexity of resources including text and vocabulary</b></li> <li>2. <b>Controversial topics and issues in learning experiences, materials or resources</b></li> </ol> Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution. Include the <b>specific quote(s)</b> and reference <b>page numbers</b> or <b>location</b> (ex: time in video).
<b>Formative Assessment(s):</b>		
<b>Summative(s) Assessment:</b>		
Plan to address issues or concerns noted:		

**Learning Experiences**

Add additional rows below as needed.

<b>Learning Experience Title</b>	<b>Criteria I:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding the <u>alignment of learning experiences, materials, and resources</u> to: 1. <b>State Standards</b> 2. <b>MYP/DP (if applicable) components</b>  Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution.	<b>Criteria II:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding 1. <b>Complexity of resources including text and vocabulary</b> 2. <b>Controversial topics and issues in learning experiences, materials or resources</b>  Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution. Include the <b>specific quote(s)</b> and reference <b>page numbers</b> or <b>location</b> (ex: time in video).	<b>Criteria III:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding 1. <b>Common Assessment alignment to instruction and/or standards</b>  Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution.
<b>LE 1:</b>			
<b>LE 2:</b>			
<b>LE 3:</b>			
Plan to address issues or concerns noted:	[Blank area for addressing concerns]		

**Resources listed on unit planner**

Add additional rows below as needed.

<p><b>Resources</b></p>	<p><b>Criteria I:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding the <u>alignment of learning experiences, materials, and resources</u> to:</p> <ol style="list-style-type: none"> <li><b>State Standards</b></li> <li><b>MYP/DP (if applicable) components</b></li> </ol> <p>Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution.</p>	<p><b>Criteria II:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding</p> <ol style="list-style-type: none"> <li><b>Complexity of resources including text and vocabulary</b></li> <li><b>Controversial topics and issues in learning experiences, materials or resources</b></li> </ol> <p>Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution. Include the <b>specific quote(s)</b> and reference <b>page numbers</b> or <b>location</b> (ex: time in video).</p>	<p><b>Criteria III:</b> Does the PLC have any <u>concerns</u> or <u>issues</u> regarding</p> <ol style="list-style-type: none"> <li><b>Common Assessment alignment to instruction and/or standards</b></li> </ol> <p>Respond below with a N/A if you have no concerns or provide explicit comments related to concerns including method of resolution.</p>
<p><b>Resource:</b></p>			
<p>Plan to address issues or concerns noted:</p>			

***By typing my name below I am acknowledging that I have fully read, reviewed, listed concerns with resolutions, and approved of all contents included in the unit planner including learning experiences, materials, resources, texts, and assessments referenced on it. All other content and materials not included on the unit planner are the local school's responsibility (BOE IKB).***

Curriculum Team Signatures: