TA CIT	Marietta City Schools						
NAK (2024–2025 District Unit Planner						
Z							
Since	391						
	Statistical Reasoning						
			1				
Unit title	Unit 5: Interpreting Results to Answer the Statistical Investigative Question	Unit duration (hours)	12-15 hours				
Mastering C	ontent and Skills through INQUIRY (Establishing the purpose of the Unit): What will students learn?						
	GA DoE Standards						
<u>Standards</u>							
	erpret the results of the analysis, making connections to the formulated statistical investigative question.						
SR.MM.1 Ap	ply mathematics to real-life situations; model real-life phenomena using mathematics.						
SR.DSR.5							
SR.MM.1 SR	MP.1-8						
SR.DSR.5.1							
SR.DSR.5.2							
SR.DSR.5.3							
SR.DSR.5.4							
SR.DSR.5.5							
Concepts/SI	ills to support mastery of standards						
Students wil	use statistical evidence from analyses to answer the formulated statistical investigative questions. • Students she	uld continue to interpret the	impact of outliers, missing values,				
or erroneou	s values on the results. • Students will use and interpret the p-value to determine whether the estimate for a pop	ulation characteristic is plausi	ble. • Students should continue to				
interpret a g	iven margin of error associated with an estimate of a population characteristic. • Students will explain the impact	of multiple variables on one	another.				

Published: 9, 2024 Resources, materials, assessments not linked to SGO or unit planner will be reviewed at the local school level.

	Missing Values			
	Margin of Error			
Analysis	Multivariable Analysis			
Bias	Observational Studies			
Case Studies	Outliers			
	p-value			
Causation				
	Population			
Confounding V	ariables Primary Data			
Data Exploratio	Privacy Issues			
	Quantitative Variable			
Data Interpreta	tion Randomization			
Data Visualizat	ion Sample			
Erroneous Valu				
Ethics of Data	Use Statistical Evidence	Survey Question		
Experiments	Statistical Investigation	Variable		
lary				

Notation - Margin of error written as an interval

Essential Questions

How can I interpret results of my analysis by connecting it to my investigation question?

How are outliers affecting my data? How are missing values and erroneous values affecting my results?

What is the p-value for my statistical investigation? How can I determine plausibility of my p-value? How are multiple variables affecting each other within my investigation?

Assessment Tasks

List of common formative and summative assessments.

Formative Assessment(s):

Unit quiz, skills checks, Classwork, homework

Summative Assessment(s):

Unit test

<u>Learning Experiences</u> Add additional rows below as needed.							
Objective or Content	Learning Experiences	Personalized Learning and Differentiation					
SR.DSR.5.2 SR.DSR.5.5 SR.MM.1.1 SR.MM.1.4 SR.DSR.5	Ice Cream/Star Wars tasks - guided chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/ <u>https://lor2.gadoe.org/gadoe/file/9c1 8-acc675eb4131/1/lce%20Cream%20or%20Star%20WarsIce-Cream-or-Star-Wars-SR-U5-Stude</u>						

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SR.MM.1					
Content Resources					
Stat Medic					
Teacher created resources					
GA DOE					