

Lesson Plan: Data and Statistics

4-Square Approach to Lesson

SAT

- Comprehend concepts and formulas related to Central Tendency, Counting Principle, Probability, etc.
- Utilize charts and diagrams to solve SAT problems.
- Present awareness of pitfalls on the SAT. Students practice *Killer Bunny* problems to ensure thoroughness while avoiding the popular answer.

Critical Thinking

- Consider several measures of tendency and decide which describes the data best (i.e. the median describes a company's salary better than the mean.)
- Develop strategies for being thorough. When to draw a number line, a graph, a picture, etc.

Common Core

- Habit of Mind- Look for and express regularity in repeated reasoning.
- CCSS.MATH.CONTENT.HSS.CP.A.2- Understand that two events A and B are independent if the probability of A and B occurring together is the product of their probabilities.
- CCSS.MATH.CONTENT.HSS.CP.B.9- Use permutations and combinations to compute probabilities of compound events and solve problems.

College Skills

- Analyzing a set of information and making predictions and inferences from it.
- The ability to read and understand charts and diagrams.
- Solving problems thoroughly and being skeptical of the popular answer or popular idea.