STATISTICS POSTER PROJECT!!!

Examples of "GOOD" <u>STATISTICAL</u> QUESTIONS that will work for OUR <u>PROJECT</u>!

Please do NOT use these exact questions! Be creative!

The STATISTICAL QUESTIONS is... In how many cities have the students in my advisory lived?   YOU ask THIS question in your survey: In how many cities have you lived?

The STATISTICAL QUESTIONS is... What is the typical amount of time male students at Del Mar spend practicing baseball each week? YOU ask THIS question in your survey: How much time do you spend at baseball practice each week?

The STATISTICAL QUESTIONS is... How much do the girls in 7th grade nap each week? YOU ask THIS question in your survey: How many minutes would you say you nap each week?

The STATISTICAL QUESTIONS is... How many television shows saved on the DVR do the students in my art class watch each night? YOU ask THIS question in your survey: How many TV shows do you watch from your DVR each night?

The STATISTICAL QUESTIONS is... What is the typical age that my classmates got their first pet? YOU ask THIS question in your survey: What age were you when you got your first pet?

Statistical questions CAN be posed that will not give a number for an answer, _but_ <u>FOR THIS PROJECT</u>, we want to gather _numerical data_.

With this numerical data, we will make a box and whiskers plot, a dot plot, and a histogram. We will find the mean, median, mode, and range as well as the mean absolute deviation. We will make a hypothesis before we pose our survey questions, and draw a conclusion based on the data collected. You will need to explain HOW you collected your data and detail the reasons for your conclusion. **All of these elements will be displayed on a POSTER!**

PROJECT IS DUE: _Friday, June 2_____

<u>Required elements</u>: **1.** statistical question **2.** hypothesis **3.** your data and an explanation of HOW you collected your data **4.** a box and whiskers plot **5.** a histogram **6.** a dot plot **7.** one area (slide or part of the poster) that includes the mean, median, mode, range, IQR (inner quartile range), and mean absolute deviation (are there any outliers?) **8.** conclusion based on the data collected (You will need to include the "shape" of the graphs – "the SPREAD"/skew- as part of your conclusion.)

PROJECT should be NEAT and in ink. It can include artwork to "pretty it up!"
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Mathematician(s)_____   Period _____

STATISTICAL POSTER PROJECT

Be sure that you have read the other side of this page – CAREFULLY – before proceeding! THIS IS THE FIRST STEP toward completion of your STATISTICAL POSTER PROJECT that is due on _June 2 .

Please formulate your STATISTICAL QUESTION on the lines provided and obtain teacher approval BEFORE moving on to the data collection phase.

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Proposed "population": (Must ask between 20-40 people)

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How do you plan to collect your data? _____

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HYPOTHESIS:

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