

| AGI | Regal Coller | Week of 1-2-17 (Q2, W6) |
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| Date: | Classwork: | Homework: |
| <p>Thursday</p> <p>1-5</p> <p>Block Class</p> <p>See Additional Web resources on this agenda for explanations (review) and practice of Data About Us math content.</p> | <p>Focus Question: (Learning Target) How can you design a statistical question to collect numerical data with variability then analyze numerical data using measures of center and spread?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Summary notes--Data About Us anchor chart <p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Generate possible statistical questions to collect numerical data-T-P-4Share (GF list) <input type="checkbox"/> Discussion & critique: <ul style="list-style-type: none"> <input type="checkbox"/> Which are statistical questions? <input type="checkbox"/> How do you know? <input type="checkbox"/> Which questions generate numerical data? <input type="checkbox"/> How do you know? <input type="checkbox"/> Begin Data About Us Summative Assessment Project <input type="checkbox"/> Finish ALL stations tasks for IQR and MAD that you have not yet completed. Correct your work. | <p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Can You Feel the Power? (CYFTP) Summative assessment corrections--Make corrections for ALL of your mistakes using lined paper. Staple your corrections to your CYFTP packet. (Due FRI) <input type="checkbox"/> Additional Practice Investigation 3 & 4 WS Packet, Secret Message & Safecracker--Due FRI |
| <p>Friday</p> <p>1-6</p> <p>See All Classes</p> | <p>Focus Questions: (Learning Target) How can you use the mean, median, mode, range, IQR and MAD to help you analyze the distribution of your data?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Collect CYFTP Test corrections <input type="checkbox"/> Correct Additional Prac. 3 & 4, Secret Message and Safecracker. <p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Continue working on Data About Us Project | <p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete project, Due on January 13. |

Math Standards:

6.SP.B.5C Summarize numerical data sets in relation to their context, such as by giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

Math Practices:

- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.

Success Criteria:

- Students will generate statistical questions and differentiate them from non-statistical questions.
- Students will collect data from classmates. Then calculate the mean, median, mode, and range of a data set. Lastly students will describe their data with respect to its shape, center, and spread.

Additional Web Resources:

- Statistics--Finding Center and Spread <https://www.youtube.com/watch?v=9gcNxUcVJck>
- Quartiles Explanation & Practice <http://www.mathsisfun.com/data/quartiles.html>
- MAD Explanation & Practice <http://www.mathsisfun.com/data/mean-deviation.html>
- Shapes of Distributions (tutorial)
<https://www.khanacademy.org/math/probability/data-distributions-a1/displays-of-distributions/v/shapes-of-distributions>
- Shapes of Distributions Practice
<https://www.khanacademy.org/math/probability/data-distributions-a1/displays-of-distributions/e/shape-of-distributions>
- Statistical and Non-statistical Questions (tutorial)
<https://www.khanacademy.org/math/statistics-probability/displaying-describing-data/statistics-overview/v/statistical-questions>
- Statistical and Non-statistical Questions Practice
<https://www.khanacademy.org/math/statistics-probability/displaying-describing-data/statistics-overview/e/statistical-questions>

Online Textbook Link: <http://mymathuniverse.com/cmp3>

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