

Strategic Math 8th

Regal Coller

Week of 01-16-17 (Q2, W8)

Day & Date	Learning Tasks & Assessments	What you need to remember for next time
<p><b>Monday</b> 1-16</p>	<p><b>No School--MLK Day</b></p>	
<p><b>Tuesday</b> 1-17</p>	<p><b>No School--Frozen Water Day</b></p>	
<p><b>Wednesday</b> 1-18</p>	<p><b>PSAT Hours 1-5</b></p>	<p>Bring</p> <ul style="list-style-type: none"> <li>● a regular pencil</li> <li>● math binder</li> <li>● textbook</li> <li>● charged Chromebook</li> <li>● list of missing math work</li> </ul> <p>to this class every day.</p>
<p><b>Thursday</b> 1-19</p>	<p><b>(Learning target)</b> <b>Focus for today: How can you collect and represent data using tables and scatter plots?</b></p> <p><b><u>TWMM Investigation 4</u></b> <i>Crow and the Pitcher</i>, Part I--</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Story</li> <li><input type="checkbox"/> Experiment (data collection &amp; error analysis)</li> <li><input type="checkbox"/> Data table</li> <li><input type="checkbox"/> Scatter plot construction</li> <li><input type="checkbox"/> Algebra 8th work time (little time today)</li> </ul>	<p>Bring</p> <ul style="list-style-type: none"> <li>● a regular pencil</li> <li>● math binder</li> <li>● textbook</li> <li>● charged Chromebook</li> <li>● list of missing math work</li> </ul> <p>to this class every day.</p>
<p><b>Friday</b> 1-20</p>	<p><b>(Learning target)</b> <b>Focus for today: How can you fit a linear model to data and judge how well the model fits?</b></p> <p><b><u>TWMM Investigation 4</u></b> <i>Crow and the Pitcher</i>, Part II--</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Fit a linear model to data (angel hair pasta)</li> <li><input type="checkbox"/> Find an equation for your model line</li> <li><input type="checkbox"/> Complete your residual table (actual - predicted using your model equation)</li> <li><input type="checkbox"/> Construct your residual plot</li> <li><input type="checkbox"/> Correlation coefficient</li> <li><input type="checkbox"/> Algebra 8th work time</li> </ul>	<p>Bring</p> <ul style="list-style-type: none"> <li>● a regular pencil</li> <li>● math binder</li> <li>● textbook</li> <li>● charged Chromebook</li> <li>● list of missing math work</li> </ul> <p>to this class every day.</p>

**Additional Web Resources:**

- List will be available in Google Classroom with directions as needed

**Vocabulary terms**

**TWMM Investigation 4**

- Bivariate data (data in two variables)
- Signal in data
- Noise in data
- Scatter plot
- First Quadrant
- Model line (line of best fit)
- Equation for model line
- Residual
- Residual plot
- Correlation coefficient
- Experimental error analysis

**Data About Us**

- Data
- Statistical question
- Frequency table
- Line plot or dot plot
- Box-and-whisker plot
- Data distribution (symmetrical, skewed, uniform)
- Central tendency
- Mean
- Median
- Mode
- Variability (spread)
- Range
- Extremes (maximum, minimum)
- Quartile
- IQR (interquartile range)
- MAD (mean absolute deviation)
- Outlier

Music for Focus

[https://www.youtube.com/watch?v=BYG0a7NOW\\_E](https://www.youtube.com/watch?v=BYG0a7NOW_E)