**7th Grade WCMS Unit 4 Probability and Statistics**

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| **Practice Packet:**  Understanding Random Sampling  Understanding Random Sampling – Matching  Making Inferences From Random Data  Making Inferences From Random Data – Matching  Measures of Center and Variability  Measures of Center and Variability – Matching  Probability of a Chance Event  Probability of a Chance Event – Matching  Probability of Chance Events  Probability of Chance Events – Matching  Creating Probability Models  Creating Probability Models – Matching  Probabilities of Compound Events  Probabilities of Compound Events – Matching  Generate Frequencies Through Design  Generate Frequencies Through Design - Matching | **Writing Task:**  Valentine Marbles Task  Rolling Dice Task  Tossing Cylinders Task |
| **Game/Activity:**  Pokemon Go Activity  Groundhog Day Activity | **Technology:**  **A lesson on measures of central tendency followed by 9 questions.** [**http://www.mathsisfun.com/data/central-measures.html**](http://www.mathsisfun.com/data/central-measures.html)  **Landmark Shark Game—you choose the best measure of central tendency**  [**http://media.emgames.com/emgames/demosite/playdemo.html?activity=M5A006&activitytype=dcr&level=3**](http://media.emgames.com/emgames/demosite/playdemo.html?activity=M5A006&activitytype=dcr&level=3)  **Worldometers—gives up-to-the minute statistics about the world. Could assign students a variety of tasks related to this data.**  [**http://www.worldometers.info/**](http://www.worldometers.info/)  3 Probability Games from Mathchimp.com  http://www.mathchimp.com/7.6.3.php |
| **Art/Music/Drama/etc.** :  Choose 5-7 statistics terms and create Frayer Models for each term. Include: Examples, Non Examples, Visual Model or Representations, and Student Friendly Definitions.  Watch “The Probability Song” and write your own version where you define/explain: theoretical and experimental probability, the law of large numbers, relative frequency, what it means if something is “likely”, compound and simple events, and sample space.  https://www.youtube.com/watch?v=0xm1SDlnvh4 |  |
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