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

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| **Practice Packet:** Understanding Random SamplingUnderstanding Random Sampling – MatchingMaking Inferences From Random DataMaking Inferences From Random Data – MatchingMeasures of Center and VariabilityMeasures of Center and Variability – MatchingProbability of a Chance EventProbability of a Chance Event – MatchingProbability of Chance EventsProbability of Chance Events – MatchingCreating Probability ModelsCreating Probability Models – MatchingProbabilities of Compound EventsProbabilities of Compound Events – MatchingGenerate Frequencies Through DesignGenerate Frequencies Through Design - Matching | **Writing Task:** Valentine Marbles TaskRolling Dice TaskTossing Cylinders Task |
| **Game/Activity:** Pokemon Go ActivityGroundhog 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.comhttp://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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