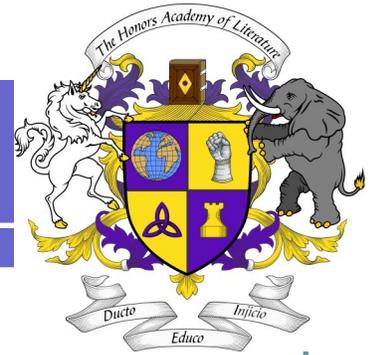


MS. AUDREY— MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.MATH.CONTENT.7.SP.C.5

Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around 1/2 indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.

CCSS.MATH.CONTENT.7.SP.C.6

Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.

CCSS.MATH.CONTENT.7.SP.C.7

Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.

CCSS.MATH.CONTENT.HSG.SRT.C.6

Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

In-class Graded Assignments

- **Classwork related to lessons**

Homework Graded Assignments

- **Dice Game**

Objectives and Validation

- Objective: Group 1—Students will understand probability and will be able to calculate the probability of simple events.
Measure: classwork, homework, and unit test.
- Objective: Group 2—Students will come up with a self-designed unit of study addressing middle school math standards, including assignments, timeline, standards, learning goals, and assessment.
Measure: classwork, homework, and unit test.
- Objective: Group 3—Students will be able to use trigonometric ratios to solve geometric problems
Measure: classwork

T.8.G.B.6

Py **Mini-Lesson Topics**

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|--------------------|----------------------------|
| <u>VT.8</u> | Sample space |
| ean T | Set Notation |
| d thr | The meaning of probability |
| | Student-designed unit |
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* See your child's Developmental Education Plan for one-on-one and small group instruction