**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 12/2 – 12/6**

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| AP Standard IIA: Students will be able to interpret probability and apply the Law of Large Numbers, Addition Rule, and Multiplication rule to determine theoretical probabilities of random phenomena  **Assessment(s):  Quiz  Unit Test  MyMathLab/MathXL  Lab  FRQ** | | | | | | |
|  | **Learning Target**  **(I am learning about…)** | **Criteria for Success**  **(I can…)** | **Opening**  *(10 - 15 Mins)* | **Work-Session**  *(20 - 25 mins)* | **Closing**  *(5 - 10 mins)* | **Literacy Tasks/Focus** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* | | |
| **Monday** | I am learning about probability. | I know the basic probability rules. | State the Sample Space, S  1. the color of a stoplight when you approach the intersection  2. the flip of one coin  3. the flip of two coins  4. the roll of a die  5. the roll of two dice | Notes, modeling and practice on Chapter 13: From Randomness to Probability pages 342– 349 | Determine probabilities of certain outcomes with cards, coin tosses and rolls of dice | How is the non-existent Law of Averages mistakenly applied in real-life.?  Give examples. |
| **Tuesday** | I am learning about probability. | I can interpret probability and apply the Law of Large Numbers to determine theoretical probabilities of random phenomena | “Just Checking” page 346 | Notes, modeling and practice on Chapter 13: From Randomness to Probability pages 346 – 352 | Exercises #’s 41 and 45 page 361 | Explain and determine the complement, intersection and union of events. |
| **Wednesday** | I am learning about probability. | I can interpret probability and apply the Law of Large Numbers to determine theoretical probabilities of random phenomena | “Just Checking” page 353 | Notes, modeling and practice on Chapter 13: From Randomness to Probability pages 353 - 361 | MyMathLab  Chapter 13  due Friday | Complete “What have we learned” then T&T |
| **Thursday** | I am learning about probability. | I can interpret probability and apply the Law of Large Numbers to determine theoretical probabilities of random phenomena | FRQ #5 from 1999 | Chapter 13 Formative / Practice | MyMathLab  Chapter 13  due Friday | How did you determine what fair means in gaming? Why? |
| **Friday** | I am learning about probability. | I can interpret probability and apply the Law of Large Numbers to determine theoretical probabilities of random phenomena | Return and show exemplars for FRQ #5 from 1999 | Chapter 13 Quiz | View AP Scoring Rubrics, evaluate your work | #8 on Quiz: Comment on your friend’s statement regarding a lucky streak. |

**\*** Exit Ticket/Final Stretch Check  Electronic Tools  Dry Erase Boards – quick checks  Turn & Talk Discussion (verbal responses)  Teacher Observation – document Clipboard

Quick Write/Draw  Annotation  Extended Writing  Socratic Seminar  Jigsaw  Thinking Maps  Worked Examples  Other : \_\_\_\_\_\_\_\_\_\_\_