**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 12/9 – 12/13**

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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.  Conditional probability and tests for independence will be utilized as well.  **Assessment(s):  Quiz  Unit Test  MyMathLab/MathXL  Lab  Exam prep Packet (Formative)** | | | | | | |
|  | **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 can construct a Venn Diagram and use it to determine probabilities. I can calculate conditional probability. | “For Example”  Page 364 | Notes, modeling and practice on Chapter 14: Probability Rules! pages 362– 368 | Determine the Conditional Probability  &. Are they the same? Why? | T&T: How can we determine whether two events are independent or not? |
| **Tuesday** | I am learning about probability. | I can apply the addition, multiplication and conditional probability rules appropriately | “For Example,” page 368 | Notes, modeling and practice on Chapter 14: Probability Rules! pages 368– 375 | Skittle Problem | How does the multiplication rule and the General multiplication rule differ? |
| **Wednesday** | I am learning about probability. | I can construct a Venn Diagram and Tree Diagrams to determine probability | “Just Checking” page 364 | Notes, modeling and practice on Chapter 14: Probability Rules! pages 376– 378 | Use your tree diagram from the Safety Study Exercise to determine probability | Do you think if we reversed the conditioning we’d get the same outcomes? Why or why not?  vs. |
| **Thursday** | I am learning about probability. | I can construct a Tree Diagrams to determine probability | Opener Part I on Chapter 14: Probability Rules! Notes pages 378– 382 | Complete Part II Chapter 14: Probability Rules! pages 378– 382 then begin Practice & Review | Chapter 14 Practice & Review (Formative)  MML 14.1 | Were you correct in your prediction? Why or why not?  vs. |
| **Friday** | I am learning about probability. | I can determine probability for random phenomena using rules and diagrams | MML 14.1  Most Often Missed | **Quiz on Chapter 14** | Exam Prep packet is due today! | Are additional search and carrying a laptop independent? Why or why not? |

**\*** 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 : \_\_\_\_\_\_\_\_\_\_\_