**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 11/18 – 11/22**

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| **AP Standard IIA and IIB**: Students will be able to collect data by planning and conducting well-designed studies and surveys, identify sampling methods used and recognize sources of bias. **Assessment(s):** [x]  **Quiz** [ ]  **Unit Test** [x]  **MyMathLab/MathXL** [ ]  **Lab** [x]  **FRQ’s** |
|  | **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 different sampling methods. | I can describe types of bias and methods used to avoid bias in sampling designs. | Part IA on Chapter 11 Notes and Examples pages 278 - 283 | Parts I and II on Chapter 11 Notes and Examples pages 278 – 283  | Write your own scenarios in which each type of bias could be present. | Share your scenarios in which each type of bias could be present. |
| **Tuesday** | I am learning about different sampling methods. | I can describe types of bias and methods used to avoid bias in sampling designs. | “Just Checking” page 283 | Chapter 11 Notes and Examples pages 283 – 291  | MyMathLab Chapter 11 due Thursday! | Compare and contrast stratified and cluster sampling designs. |
| **Wednesday** | I am learning about different sampling methods. | I can describe types of bias and sampling designs. | What Is Wrong with These Surveys?STATS MEDIC Bias Activity | Chapter 11 Practice\*Formative | MML Chapter 11 due tomorrow! | Explain why the method is biased. Be sure to name the kind(s) of bias you describe and link it to the variable of interest. |
| **Thursday** | I am learning about different sampling methods. | I can describe types of bias and sampling designs. | Quick Study | Chapter 11 Quiz\*Summative |  | Explain why the method is biased. Be sure to name the kind(s) of bias you describe and link it to the variable of interest. |
| **Friday** | I am learning about simulation and sampling designs. | I can implement a simulation to estimate an unknown and I can design a sample survey. | Return FRQ # 3 from 2005 and discuss AP Scoring Rubric | FRQ #2 from 2013 with teacher guidance | FRQ #3 from 2001 with peer | Explain how to collect a simple random sample and perform a simulation. |

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

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