**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 2/10 – 2/14**

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| AP Standard IVA: Students will use statistical inference to guide the selection of appropriate models. Here they will construct and interpret confidence intervals to estimate population parameters by sampling with proportions.**Assessment(s):** [ ]  **Quiz** [ ]  **Unit Test** [x]  **MyMathLab/MathXL** [x]  **Applet** [ ]  **FRQ’s** |
| **m** | **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 confidence intervals. | I can construct and interpret confidence intervals to estimate population parameters through proportions. | Return Quiz, view feedback, commentary and exemplars  | Notes, modeling and practice on Chapter 18 Confidence Interval for Proportions pages 471 – 474  | “Just Checking” #’s 1 – 5  |  After watching Price Is Right “Range Game” video, comment on what success means in this game. How does one achieve it? |
| **Tuesday** |  I am learning about statistical inference for proportions. | I can construct confidence intervals to estimate unknown true parameters | #’s 1 – 2 page 488 | Notes, modeling and practice on Chapter 18 Confidence Interval for Proportions pages 474 – 482  | P.A.N.I.C. | Explain how we use the acronym P.A.N.I.C. to describe and explain the process we use to construct confidence intervals. |
| **Wednesday** |  I am learning about statistical inference for proportions. | I can determine and explain the margin of error within confidence intervals | Exercise # 18 | Notes, modeling and practice on Chapter 18 Confidence Interval for Proportions pages 481 – 483 | Exercise #24 | Interpret and explain the meaning of confidence interval for exercises #18 and #24. |
| **Thursday** |  I am learning about statistical inference for proportions. | I can calculate the sample size necessary to achieve targeted margins of error. | “For Example,” page 484 | Notes, modeling and practice on Chapter 18 Confidence Interval for Proportions pages 484 – 485 | Read and discuss “What If…” page 485 and “What Can Go Wrong” page 486MML 18.1 | See Closing |
| **Friday** | Professional Learning Day |  |  |  |  |  |

**\***[ ]  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 [ ]  Worked Examples [ ]  Other : \_\_\_\_\_\_\_\_\_\_\_