**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 3/3 – 3/7**

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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.AP Standard IVB: Estimate population parameters and test hypotheses by performing significance tests for a proportion.AP Standard IV: Identify Type I and Type II Errors following Significance Tests and explain consequences for each.**Assessment(s):** [x]  **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 statistical inference for proportions. | I can test hypotheses by performing significance tests for proportions. | OpenerP.H.A.N.T.O.M. | Practice & Review Ch 19\*Formative | MML 19.1Is due tomorrow | What does the acronym P.H.A.N.T.O.M. hep you remember in order to give a complete response to hypotheses tests? |
| **Tuesday** | I am learning about statistical inference for proportions. | I can construct and interpret confidence intervals to estimate population parameters | Quick Study with Q&A | Quiz on Chapter 19\*Summative |  | Interpret and explain the meaning of your confidence intervals. |
| **Wednesday** | I am learning about statistical significance. | I can test hypotheses by performing significance tests for proportions. | Return Chapter 19 Quiz.Discuss commentary and exemplars | Notes, modeling and practice on Chapter 20: More About Tests and Intervals pages 517 – 524 | Read “Practical vs Statistical Significance” |  Read and summarize “Practical vs, Statistical Significance” pg. 524 |
| **Thursday** | I am learning about types of errors that may arise in significance tests. | I can Identify Type I and Type II Errors following Significance Tests and explain consequences for each. | “Just Checking” #’s 1 – 3 page 526 | Notes, modeling and practice on Chapter 20: More About Tests and Intervalspages 526 – 528 | “Just Checking”#’s 4 – 6 | Describe the consequences of Type I and Type II errors in scenarios provided. |
| **Friday** | I am learning about the power of a significance test. | I can Identify the probability for Type I and Type II Errors following Significance Tests. | Independent Practice #’s 2, 4, 10, 14, and 16 pages 537 – 538 | Compare Practice: #’s 2, 4, 10, 14, and 16 pages 537 – 538with a partner | MML Chapter 20 due Tuesday! | Just Checking #6- Which strategy has a higher power? Explain |

**\***[ ]  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 : \_\_\_\_\_\_\_\_\_\_\_