**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):  Quiz  Unit Test  MyMathLab/MathXL  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. | Opener  P.H.A.N.T.O.M. | Practice & Review Ch 19  \*Formative | MML 19.1  Is 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 Intervals  pages 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 – 538  with a partner | MML Chapter 20 due Tuesday! | Just Checking #6- Which strategy has a higher power? Explain |

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