**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 2/24 – 2/28**

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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  **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. | Return Chapter 18 Quiz.  Discuss commentary and exemplars | Notes, modeling and practice on Chapter 19: Testing Hypotheses about Proportions pages 493 – 496 | Guided Practice with #’s 1 and 9  pages 512 – 513  #’s 2, 4, 6, & 10  For HW | Read “P-Values: Are We Surprised?”  Page 496 and summarize |
| **Tuesday** | I am learning about statistical inference for proportions. | I can test hypotheses by performing significance tests for proportions. | Quick Compare with partner #’s 2, 4, 6, & 10 pages 512 - 513 | Notes, modeling and practice on Chapter 19: Testing Hypotheses about Proportions  pages 497 – 499 | “For Example,”  pages 502 – 503 | Interpret and explain the meaning of your confidence intervals for exercises #18 and #24. |
| **Wednesday** | I am learning about statistical inference for proportions. | I can test hypotheses by performing significance tests for proportions. | “Just Checking” page 506 | Notes, modeling and practice on Chapter 19: Testing Hypotheses about Proportions pages 506 – 508 | MML 19.1 | Is there a home field advantage? How big is the advantage? |
| **Thursday** | 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 | What does the acronym P.H.A.N.T.O.M. hep you remember in order to give a complete response to hypotheses tests? |
| **Friday** | 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. |

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