**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 3/17 – 3/21**

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| AP Standard IVB: Estimate population parameters and test hypotheses by performing significance tests for comparing proportions.  AP Standard IVA: Estimate population parameters and test hypotheses for means, when  is known and when  is unknown.  **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 estimating parameters for two proportions. | I can construct confidence intervals to estimate the difference between two proportions | Return Chapter 20 Quiz.  Discuss commentary and exemplars | Notes, modeling and practice on Chapter 21: Comparing Two Proportions pages  543 – 549 | Use TI-84 to check your confidence interval | Interpret the meaning of your confidence interval, in context. |
| **Tuesday** | I am learning about estimating parameters for two proportions. | I can construct confidence intervals to estimate the difference between two proportions | #’s 1 – 2 on Notes, modeling and practice on Chapter 21: Comparing Two Proportions pages 545 – 549 | Notes, modeling and practice on Chapter 21: Comparing Two Proportions pages  545 – 549 | Use TI-84 to check your confidence interval | Explain the meaning of your confidence interval. |
| **Wednesday** | I am learning about performing significance tests for two proportions. | I can perform hypotheses tests to determine whether or not there is a significant difference between two proportions | “Just Checking”  #’s 1 – 2 | Notes, modeling and practice on Chapter 21: Comparing Two Proportions pages  548 – 552 | Use TI-84 to check your confidence interval | State your conclusion, in context. |
| **Thursday** | All Above | I can perform hypotheses tests to determine whether or not there is a significant difference between two proportions | FRQ #5 from 2009  \*Formative | FRQ # 4 from 2012  \*Summative | Use TI-84 to check your hypothesis test | Read scoring rubric and evaluate your responses. |
| **Friday** | I am learning about inferencing for means. | I can estimate population parameters for means when is unknown. | Revisit #2  on Chapter 17 Quiz  \*Notice that these procedures can only be used when is KNOWN | Chapter 22 Notes pages 574 - 580 | #’s 4, 8, 10  pages 597 - 598 | Describe how the critical value changes as degrees of freedom increases. |

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