|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade Level:** **LESSON PLANS ARE SUBJECT TO CHANGE DAILY!** | 11/12 | **Teacher/Room**: | LPAYNE | / | 181 | **Course(s)/ Period(s):**  | AP STATS | / | 2,3  | **Week of:** | MARCH 14-18 |
| **Unit Vocabulary:**  |  |
| **Instructional Strategies Used:**  | direct instruction, independent study, interactive instruction **, CASE STUDIES, CLOSED CASES, ACTIVITIES, SIMILATIONS, DATA EXPLORATIONS** |
| **Monday**  | **Tuesday** | **Wednesday** | **Thursday** | **Friday**  |
| **Common Core Standard(s)**: | **Common Core Standard(s)** | **Common Core Standard(s)**: | **Common Core Standard(s)**: | **Common Core Standard(s)**: |
| [C2c][C4][C5] S-IC.6 ,  | C2c][C4][C5] S-IC.6 , | [C2a][C2d][C3][C4][C5] ,S-IC.1 ,S-IC.6 | [C2a][C2d][C3][C4][C5] ,S-IC.1 ,S-IC.6 | [C2a][C2d][C3][C4][C5] ,S-IC.1 ,S-IC.6 |
| **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** |
| * How can modeling predict the future?
* To what extent does our world exhibit binomial and geometric phenomena?
* How does the normal distribution apply to the real world?
* How can we use the Central Limit Theorem to understand the variability of a statistic?
* Does the Central Limit Theorem test one’s limit?
 | * How can modeling predict the future?
* To what extent does our world exhibit binomial and geometric phenomena?
* How does the normal distribution apply to the real world?
* How can we use the Central Limit Theorem to understand the variability of a statistic?
* Does the Central Limit Theorem test one’s limit?
 | * **How much evidence do you need before you are able to make a reasonable conjecture?**
* **Is it reasonable to think that different people require different amounts of convincing?**
* **How is statistical inference used to draw conclusions from data?**
* **How is probability used to express the strength of our conclusions?**
* **How can decisions be based on chance?**
* **To what extent should decisions be made based on chance?**
 | * **How much evidence do you need before you are able to make a reasonable conjecture?**
* **Is it reasonable to think that different people require different amounts of convincing?**
* **How is statistical inference used to draw conclusions from data?**
* **How is probability used to express the strength of our conclusions?**
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* **How is statistical inference used to draw conclusions from data?**
* **How is probability used to express the strength of our conclusions?**
* **How can decisions be based on chance?**
* **To what extent should decisions be made based on chance?**
 |
| **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  |
| * **Reviewing chapter 5**
 | * **8.1, Confidence Intervals: The Basics**
 | * **A: Estimating a**
* **Population Proportion**
* **A: The Beads**
 | * **8.2**
 | * **8.3 Quiz 8.1-8.3**
 |
| **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  |
| * German tank activity
 | * **CS: Need Help? Give Us**

**a Call!** * **A: The Mystery Mean**
* **A: The Confidence**

**Interval Applet**  | * **CS: Need Help? Give Us**

**a Call!** * **A: The Mystery Mean**
* **A: The Confidence**

 **Interval Applet**  | * **A: Calculator Bingo**
* **DE: I’m Getting a**

**Headache** * **CC: Need Help? Give Us**

**a Call!**  | * **A: Calculator Bingo**
* **DE: I’m Getting a**

**Headache** * **CC: Need Help? Give Us**

 **a Call!**  |
| **Lesson:**  | **Lesson:**  | **Lesson:**  | **Lesson:**  | **Lesson:**  |
| * **7.3 / review/practice A**
 | * **TEST 7 B**
 | * **8.2 Estimating Population Proportion (**
 | * **8.3 Estimating a Population Mean**
 | * **Catch up chapter 8**
 |
| **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** |
| * **Index cards, numbers 1-n,**
 | * **Text, powerpoints, calculator,**
 |  |  |  |
| **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  |
|  | * Graphic Organizers
 | * Graphic Organizers
 | * NA
 | * NA
 |
| ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** |
|  | * Flexible Grouping
 | * Flexible Grouping
 | * NA
 | * NA
 |
| ***Assessment Strategy:*** | ***Assessment Strategy:*** | ***Assessment Strategy:*** | ***Assessment Strategy:*** | ***Assessment Strategy:*** |
|  | * Grouping based on formative assessment
 | * Grouping based on formative assessment
 | * NA
 | * NA
 |
| **Assessment :** | **Assessment :** | **Assessment :** | **Assessment :** | **Assessment :** |
| ***Formative:***  |  | ***Formative:***  | Thumbs Up/Down | ***Formative:*** | z | ***Formative:*** | NA | ***Formative:*** | NA |
| ***Summative:***  | NA | ***Summative:***  | NA | ***Summative:*** | Check homework | ***Summative:*** | Check homework | ***Summative:*** |  |
| **Homework:**  | **Homework:**  | **Homework:**  | **Homework:**  | **Homework:**  |
| HW: 43-46, 49, 51, 53, 55, 57, 59, 61, 63, 65-68 Review and practice a | Section 8.1 notes, HW: 5, 7, 9, 11, 13, 17, 19-24, 27, 31, 33  | Sections 8.2 notes,HW: 35, 37, 41, 43, 47 | Sections 8.3 notes,HW: 49-52, 55, 57, 59, 63, 65, 67, 71, 73, 75-78 | Chapter review and practice test |
| Resources and Reflective Notes: |  |