|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade Level:**  **LESSON PLANS ARE SUBJECT TO CHANGE DAILY!** | | 11/12 | | **Teacher/Room**: | | | | LPAYNE | | / | | 181 | **Course(s)/ Period(s):** | | AP STATS | | / | 2ND | **Week of:** | | MARCH 21-25 | |
| **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?** * **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?** * **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:*** | | |  | ***Formative:*** | NA | | | | ***Formative:*** | | NA |
| ***Summative:*** | NA | | | | ***Summative:*** | | | | NA | | ***Summative:*** | | | Check homework | ***Summative:*** | Check homework | | | | ***Summative: chapter test*** | |  |
| **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: | | | | | | |  | | | | | | | | | | | | | | | |