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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade Level:** 11/12**LESSON PLANS ARE SUBJECT TO CHANGE DAILY!** |  | **Teacher/Room**: | LPayne | / | 181 | **Course(s)/ Period(s):**  | AP STATS | / | 2ND & 3rd  | **Week of:** | February 22-26 |
| **Unit Vocabulary:**  | SEE ATTACHED.  |
| **Instructional Strategies Used:**  | direct instruction, independent study, interactive instruction **, case studies, case closed, activities, homework**  |
| **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)**: |
| [C2b][C2c][C4][C5]* Probability models are useful tools for making decisions and predictions.
* Probability is the basis of statistical inference.
* The notion and behavior of a random variable is foundational to understanding

 probability distributions. * Probability is based on relative frequencies.
* The Law of Large Numbers is an important concept when simulating probability

 experiments.  | [C2b][C2c][C4][C5]* Probability models are useful tools for making decisions and predictions.
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| **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** |
| 1. What is the probability of understanding probability?
2. When is probability a sure thing?
3. How can we base decisions on chance?
4. How can probability be used to simulate events and to predict future happenings?
5. What are the benefits of simulating events as opposed to gathering real data?
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| **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  |
| * **CS: How well can babies hear**
 | * **Checking homework**
 | * **Checking homework**
 | * **Checking homework**
 | * **Checking homework**
 |
| **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  | **Activating Strategies:**  |
| * The “1 in 6” wins game
 | * **Probability Applet**
* **Investigating Randomness**
 | * **CC: how well can Babies hear?**
 | * **Alternate examples for all 3 sections**
 | * **Answering questions**
 |
| **Lesson:**  | **Lesson:**  | **Lesson:**  | **Lesson:**  | **Lesson:**  |
| * **5.1 Randomness, Probability and Simulation**
 | * **5.2 Probability Rules**
 | * 5.3 Conditional Probability and Independence
 | * **Chapter Review /Test**
 | * **TEST CHAPTER 5**
 |
| **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** | **Resource/Materials:** |
| * **TEXT, PowerPoint, calculator**
 | * **TEXT, PowerPoint , calculator, computer for applet**
 | * **TEXT, PowerPoint , calculator, computer for applet**
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 | * **TEXT, PowerPoint , calculator, computer for applet**
 |
| **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  | **Differentiation:*****Content/Process/Product:***  |
| * **Student homework**
 | * Graphic Organizers
 | * Graphic Organizers
 | * Notebook
 | * Notebook
 |
| ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** | ***Grouping Strategy (if any):*** |
| * **Random selection example of chapter.**
 | * **Random selection example of chapter. Using random digits from chapter 5.**
 | * Flexible Grouping
 | * NA
 | * NA
 |
| ***Assessment Strategy:*** | ***Assessment Strategy:*** | ***Assessment Strategy:*** | ***Assessment Strategy:*** | ***Assessment Strategy:*** |
|  | * Grouping based on formative assessment
 | * Grouping based on formative assessment
 | * Class discussion of Probability
 | * TEST
 |
| **Assessment :** | **Assessment :** | **Assessment :** | **Assessment :** | **Assessment :** |
| ***Formative:*** class questions |  | ***Formative:***  | Results from activites | ***Formative:*** | Discussion of closed case activity | ***Formative:*** | Discussion of alternative examples  | ***Formative:***  | ***Quiz 5.1-5.3*** |
| ***Summative:***  | ***homework*** | ***Summative:***  | homework | ***Summative:*** | Check homework | ***Summative:*** | Check homework | ***Summative: TEST*** |  |
| **Homework:**  | **Homework:**  | **Homework:**  | **Homework:**  | **Homework:**  |
| HW: 1, 3, 7, 9, 11, 15, 17, 19, 23, 25  | HW: 27, 29, 31, 32, 33-36, 43, 45, 47, 49, 51, 53, 55  | HW: 57-60, 63, 65, 67, 69, 73, 77, 79, 83, 85, 87, 91, 93, 95, 97, 99 | Chapter ReviewChapter Test  | 6.1 HW: 1, 5, 7, 9, 13, 14, 18, 19, 23, 25  |
| Resources and Reflective Notes: |  |

