|  |  |  |
| --- | --- | --- |
| **ACIDS AND BASES UNIT**: Group Experiment and Presentation Rubric | | |
| **Typed Proposal [50 pt]**   * 3-5 pages, double spaced, Times New Roman, 12 pt font \_\_\_/2   Intro paragraph:   * Purpose and importance of project \_\_\_/2 * Application of project to life \_\_\_/2   Body paragraph: Science behind it…   * Procedure explained \_\_\_/3 * Data and results and explained \_\_\_/10 * Connection of results to purpose of project \_\_\_/3   Body paragraph: Supporting Science with Research   * Minimum 3 paragraphs \_\_\_/2 * Minimum of 3 reliable resources cited \_\_\_/3 * All concepts to the right are thoroughly and accurately included \_\_\_/20   Conclusion paragraph   * Recap the purpose and importance of your paper \_\_\_/2 * Final statement of why your research is most worthy of being publicized \_\_\_/1 | | **Concepts that must be addressed:**  *Acids and Bases*   * Define acids and bases according to acid-base theory * Identify the acids and bases used/studied in your project   *pH Scale*   * Explain what the pH scale is * Explain how the pH scale   Works   * Explain how the pH scale relates to hydrogen concentration   *Indicators*   * Purpose of indicators * Identify indicator(s) used * Explain what the colors observed in lab mean |
| **Billboard Design [20 pts]**  Formatting:   * 11” x 17”, landscape \_\_\_/2   Information to Include: Sell your research…   * Importance and purpose \_\_\_/3 * Research and data highlights \_\_\_/10   Appearance:   * Pleasing to the eye and creative \_\_\_/2 * Most important parts are emphasized and catches the eye first \_\_\_/3 | **Presentation Pitch [10 pts]**  1 minute pitch to the advertisement committee and 1 minute Q&A to follow   * Proves why your research team deserves the billboard space based on lab work and research \_\_\_/8 * Pitch is no more than 1 minute long \_\_\_/2   \*Winner of billboard space determined by majority vote of class.  \*Winner will receive 15 bonus points on grade. | |
| **Peer, Group, and Teacher Evaluation [20 pts]**   * 25% based on peer evaluation (To be given out on the day of poster presentation) \_\_\_/5 * 25% based on group member evaluations (based on participation and contributions) \_\_\_/5 * 50% based on teacher evaluation \_\_\_/10 | | |

Project Submission (1 per group):

Proposal, billboard design, and self-graded rubrics should be handed in or emailed to [breanna.eng@rcsdk12.org](mailto:breanna.eng@rcsdk12.org)

\*\*Each person must hand in this packet completed.

PEER REVIEW FORM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Presenters** | **Billboard Design**  **1 - 5** | **Reason for score**  **(Give specific examples)** | **Pitch**  **1 - 5** | **Reason for score**  **(Give specific examples)** | **Questions/Comments you thought of or asked** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

PEER REVIEW FORM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Presenters** | **Billboard Design**  **1 - 5** | **Reason for score**  **(Give specific examples)** | **Pitch**  **1 - 5** | **Reason for score**  **(Give specific examples)** | **Questions/Comments you thought of or asked** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# And the winner is…

Which group do you think should win? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Give a brief explanation that explains why. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GROUP EVALUATION FORM

This form will only be read by the teacher. Please be honest and fair. Give credit where credit is due. You should include yourself in the evaluation.



|  |  |  |
| --- | --- | --- |
| **Participation with writing proposal** | **Participation with designing billboard** | **Participation with presentation** |
| **Group Leader Name:** | | |
| Score: \_\_\_\_\_ because… | Score: \_\_\_\_\_ because… | Score: \_\_\_\_\_ because… |
| **Group Designer Name:** | | |
| Score: \_\_\_\_\_ because… | Score: \_\_\_\_\_ because… | Score: \_\_\_\_\_ because… |
| **Group Reporter Name:** | | |
| Score: \_\_\_\_\_ because… | Score: \_\_\_\_\_ because… | Score: \_\_\_\_\_ because… |

1. What do you think your group did best? Why?

2. What do you think your group could work on? Why?