

## Scoring Sheet for POW 1: Broken Eggs

|  | Max<br>Score | Score     |
|--|--------------|-----------|
| <b>1. PROBLEM STATEMENT (10 pt)</b>  |              |           |
| a. Restate the story or situation of the POW in your own words             | <b>4</b>     |           |
| b. Restate the specific problem/task in your own words                     | <b>2</b>     |           |
| c. Explain why some people first think the answer is 49 eggs               | <b>2</b>     |           |
| d. Explain why the answer cannot be 49 eggs                                | <b>2</b>     |           |
| <b>2. PROCESS (18 pts)</b>   |              |           |
| a. Describe your initial ideas concerning the problem/task, explain (2)    | <b>2</b>     |           |
| b. Describe all the methods you tried before reaching your solution(s) (3) | <b>4</b>     |           |
| c. Describe the process that lead to your solution(s)                      | <b>4</b>     |           |
| d. Provide all diagrams and sketches                                       | <b>2</b>     |           |
| e. Describe all materials used and their purpose                           | <b>2</b>     |           |
| f. Describe any problems you had, and how you solved them                  | <b>2</b>     |           |
| g. Describe all assistance provided and how it helped you                  | <b>2</b>     |           |
| <b>3. SOLUTION (6 pts)</b>   |              |           |
| a. State the solution(s) (2)   | <b>2</b>     |           |
| b. Describe why your solution(s) is correct, include all supporting data   | <b>4</b>     |           |
| <b>4. EVALUATION (8pts)</b>  |              |           |
| a. State the difficulty level of the problem (scale of 1-10), explain      | <b>2</b>     |           |
| b. Describe your personal reaction/opinion to the problem                  | <b>2</b>     |           |
| c. Identify the best/worst parts of the problem                            | <b>2</b>     |           |
| d. Describe how the problem could have been made better for you            | <b>2</b>     |           |
| <b>5. SELF-ASSESSMENT (8 pts)</b>  |              |           |
| a. Write a one paragraph summary of “what you learned from the problem”    | <b>4</b>     |           |
| c. Grade and Justify your work using a self-assessment scoring rubric      | <b>4</b>     |           |
| <b>TOTAL SCORE</b>   |              | <b>50</b> |

COMMENTS: