**Semipermeable Membranes Project Rubric**

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| **Criteria** | **5 (best)** | **3** | **1** | **Points** |
| **Identifying the problem.**  | Showed a clear understanding of the problem to solve. | Needed some teacher direction to define the problem.  | Needed a lot of teacher direction to define the problem.  |  |
| **Working as a team member** | Worked well together. All team members participated and stayed on task.  | Some team members were occasionally off task. | Most team members were often off task and not cooperating.  |  |
| **Using the design process** | Team brainstormed many design ideas and tested and improved the design. Final design complete or nearly complete and shows creative problem solving. | Some team members were occasionally off task. | Team brainstormed few design ideas and did little testing or redesigning. Final design lacks clear design ideas.  |  |
| **Processing the science and engineering** | Team gave a strong presentation of its solution in creating the most innovative semipermeable membrane and showed clear understanding of the science concepts and design process.  | Team gave a basic presentation of its solution to the challenge and showed basic understanding of the science concepts and design process.  | Team gave a weak presentation of its solution to the challenge and showed little understanding of the science concepts and design process.  |  |
| **Total Points (points received x 5)**  | **/100** |

**Additional Notes**

*Source*: Revised from PBS Design Squad, 2009 http://www-tc.pbskids.org/designsquad/pdf/parentseducators/DS\_TG\_ImplementResources.pdf