**Buoyancy: Clay Boats**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pennies Held:\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CATEGORY  | 4  | 3  | 2  | 1  |
| Scientific Knowledge (FD8.2 Examine the effects of forces in and on objects in fluids, including the buoyant force ANDFD8.4 Identify and interpret the scientific principles underlying the functioning of natural and constructed fluid systems.) | Explanations by group members indicate a clear and accurate understanding of scientific principles underlying the construction and modifications.  | Explanations by group members indicate a mostly accurate understanding of scientific principles underlying the construction and modifications.  | Explanations by group members indicate some accurate understanding of scientific principles underlying the construction and modifications.  | Explanations by members of the group do not illustrate much understanding of scientific principles underlying the construction and modifications.  |
| Testing | Held largest quantity of pennies  | Held above average number of pennies | Held below average number of pennies  | Sank before testing/did not float any pennies |
| Plan/Questions | Plan is neat with clear measurements and labeling for all components.  | Plan is neat with clear measurements and labeling for most components.  | Plan provides clear measurements and labeling for most components.  | Plan does not show measurements clearly or is otherwise inadequately labeled.  |

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| --- | --- | --- | --- | --- |
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