Station Worksheet

(generic format)

# Sorting Attribute: “Attribute Here”

**Directions: You will design an experiment to test the texture of each material. Use the table below to guide you through each step. Don’t forget to record any data! After you have tested all your materials answer the reflection questions.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Make a prediction:  **Think about the texture of each material, how do they compare? Are some softer/smoother than others? How would they rank in order from softest to roughest texture? Write your prediction below:**   |  | | --- | |  | |  | |  | |  | |  | | How will you test the texture of each object?  **Come up with one method you will use to test the texture of each material. Use the space below to *explain* the process you are going to use to test your prediction.**   |  | | --- | |  | |  | |  | |  | |  | |  | |
| Arrow: Rotate leftUse The Area below to make notes/record data during your experimentArrow: Rotate right | |
|  | |
|  | |
|  | |
|  | |
|  | |
|  | |
|  | |

Experiemnt Reflection

## (*Answer at the 3-minute reminder*)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Rank the objects in order using the scale below:** | | | | | | |
| **The Smoothest** | **Very Smooth** | **Soft/Smooth** | **Not Soft/Smooth** | **Rough** | **Very Rough** | **The Roughest** |
|  | | | | | | |
|  |  |  |  |  |  |  |
| **Use the space below to compare the results with what you predicted** | | | | | | |
|  |  |  |  |  |  |  |

Grading Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| **GRADING CRITERA** | 2 | 1 | 0 |
| **Prediction** | Student made a prediction based on the provided question. | Student’s prediction is missing 1-2 parts. | Students prediction is either mostly incomplete (3-more missing) or does not make sense given the question provided. |
| **Experiment** | Student clearly explained how they will test objects and the Experiment could be replicated without need for further explanation. | Student explained how they will test their objects but missing 1-2 steps/ requires some information to replicate experiment. | Student’s explanation is either missing or could not be replicated without assistance/ more explanation. |
| **Completeness** | Student **tested** and **recorded** data for all objects | Student is missing **data** or did not **rank** 1-2 objects | 3 or more objects are either **missing** or **incomplete** |
| **TOTAL SCORE** |  |  |  |

Reflection Journal Page

## Conclusion

## Writing Prompt

Using complete sentences, answer each question below:

How did you accomplish today’s **I can statement** *“I can sort objects in at least 3 different ways”?* What were the 3 different ways you sorted objects? How did you decide how to order your objects?

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

Now it’s your turn to come up with a different way to sort objects. Make sure you think of a new and different attribute (do not choose texture, hardness, flexible, or color). Explain the new attribute you came up with and what you would sort using this sorting method.

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

Grading Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **2**  **Awesome!** | **1**  **Good** | **0**  **Needs a little work** |
| **Understands Content**  **(2,1,0)** | Student writing demonstrates a clear understanding of content | Student’s response demonstrates a general/some understanding of content | Student’s response does not demonstrate an understanding of content/ response does not make sense. |
| **Vocabulary**  **(2,1,0)** | Student uses scientific terms throughout the reflection page | A little academic language is used in parts of the reflection | No academic language is used |
| **New Attribute**  **(2,0)** | Student named a new attribute to sort objects by | Student did not list a new attribute, or attribute is closely related to an attribute used in lesson. | |
| **Required Elements**  **(2,1,0)** | No elements are missing | One or more elements are missing | Three or more elements are missing |
| **Total Points** |  |  |  |