



Name _____ Date _____ Class _____

Student Guide 3

Scoring Guide: Make a World Guide

Purpose

You are going to create a world inside your shallow box. Since another group of students will characterize your world, make it privately.

Procedure:

1. Preparing your Unknown World

3	2	1
<input type="checkbox"/> Lists all the materials <input type="checkbox"/> Lists properties that are obvious and those not so obvious. May also include properties that it does not have.	<input type="checkbox"/> Lists all the materials <input type="checkbox"/> Lists the obvious properties	<input type="checkbox"/> Does not list all the materials used <input type="checkbox"/> Lists few properties

Example 3

Materials	Properties
Paper	White with lines, makes noise when touched, flexible, rips easily, burns, can be folded, if scrunched together it can hold other objects and be quite strong, can leave a mark and write on it, does not conduct electricity

2-5 Draw a sketch of the world that you are going to make in the space provided.

3	2	1
<input type="checkbox"/> Drawing is accurate when compared with the world <input type="checkbox"/> Properties that are obvious and those not so obvious are labeled.	<input type="checkbox"/> Drawing is mostly accurate <input type="checkbox"/> Obvious properties are labeled	<input type="checkbox"/> Drawing is partially accurate. <input type="checkbox"/> Few properties are labeled



Characterizing your World

6. What would a height scan look like?

3	2	1
<ul style="list-style-type: none"> <input type="checkbox"/> Very accurately shows the height changes <input type="checkbox"/> Correctly recorded the height for each probe hole <input type="checkbox"/> Lightly colored areas that have the same height have the same color. <input type="checkbox"/> Easy to notice the differences between different heights <input type="checkbox"/> Key shows the range of heights <input type="checkbox"/> Order to color choices <input type="checkbox"/> Organized and neat appearance 	<ul style="list-style-type: none"> <input type="checkbox"/> Accurately shows the height changes <input type="checkbox"/> Correctly recorded the height for MOST probe holes <input type="checkbox"/> Lightly colored areas that have the same height have the same color. <input type="checkbox"/> Difficult to notice the differences between different heights <input type="checkbox"/> Key shows the range of heights <input type="checkbox"/> Some order to color choices <input type="checkbox"/> Not organized or neat 	<ul style="list-style-type: none"> <input type="checkbox"/> Did not accurately record the height changes <input type="checkbox"/> May have used only some probe holes. <input type="checkbox"/> Colored areas blend together <input type="checkbox"/> Difficult to see the difference between heights <input type="checkbox"/> Color choice seems random <input type="checkbox"/> Key and map are disorganized

7. What would a magnetic probe scan look like?

3	2	1
<ul style="list-style-type: none"> <input type="checkbox"/> Accurately shows if there is a magnetic force for each square <input type="checkbox"/> Accurate <input type="checkbox"/> Recording system makes sense <input type="checkbox"/> Includes a key <input type="checkbox"/> Easy to read 	<ul style="list-style-type: none"> <input type="checkbox"/> Scan is somewhat clear. <input type="checkbox"/> Scan is somewhat accurate. <input type="checkbox"/> Difficult to read. <input type="checkbox"/> Recording system does not make sense <input type="checkbox"/> Does not include a key 	<ul style="list-style-type: none"> <input type="checkbox"/> Missed many magnetic forces <input type="checkbox"/> Difficult to read or Incorrect. <input type="checkbox"/> Recording system does not make sense <input type="checkbox"/> May or may not include a key

8. Thinking Beyond

3	2	1
<ul style="list-style-type: none"> <input type="checkbox"/> Shows ideas beyond what has been expected 	<ul style="list-style-type: none"> <input type="checkbox"/> Shows ideas that could be expected 	<ul style="list-style-type: none"> <input type="checkbox"/> Shows ideas below expectation