



Name _____ Date _____ Class _____

Student Guide 3 Creating an Undiscovered World

Purpose

You are going to create a world inside your observation box. In later activities, you will exchange worlds and characterize the world of fellow classmates. Therefore, try to privately make your world

Procedure:

Preparing your Unknown World

1. List the materials you are going to use and the properties of each material.

Materials	Properties

2. Draw a sketch of the world that you are going to make in the space provided. Sketch IN PENCIL since you may want to modify your drawing when you are complete.

3. TEACHER CHECK: Have your teacher check your work.

Teacher initials _____



Creating your Unknown World

Create your world.

4. Make any modifications to your drawing to show the world you have created.
5. Describe the properties of your structure and label the properties on your drawing.

Characterizing your World

6. What would a height scan look like? Draw an approximate scan or make a scan, depending on your teacher's instructions. This will be your answer key.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2														
3														
4														
5														
6														
7														
8														
9														



Probing the Unknown

7. What would a magnet probe scan look like? Draw an approximate scan or actually make a scan. This will be your answer key.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
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Thinking Beyond

8. What other types of probes would help identify the structure of your world? A different way to think of the question: what are the properties that make your world unique and what kind of probe could detect those properties?

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