

Treasure Mapping

Name: Answer Guide

Date: _____

Vocabulary

Compass - a tool used to show the current directions based on Earth's magnetic field

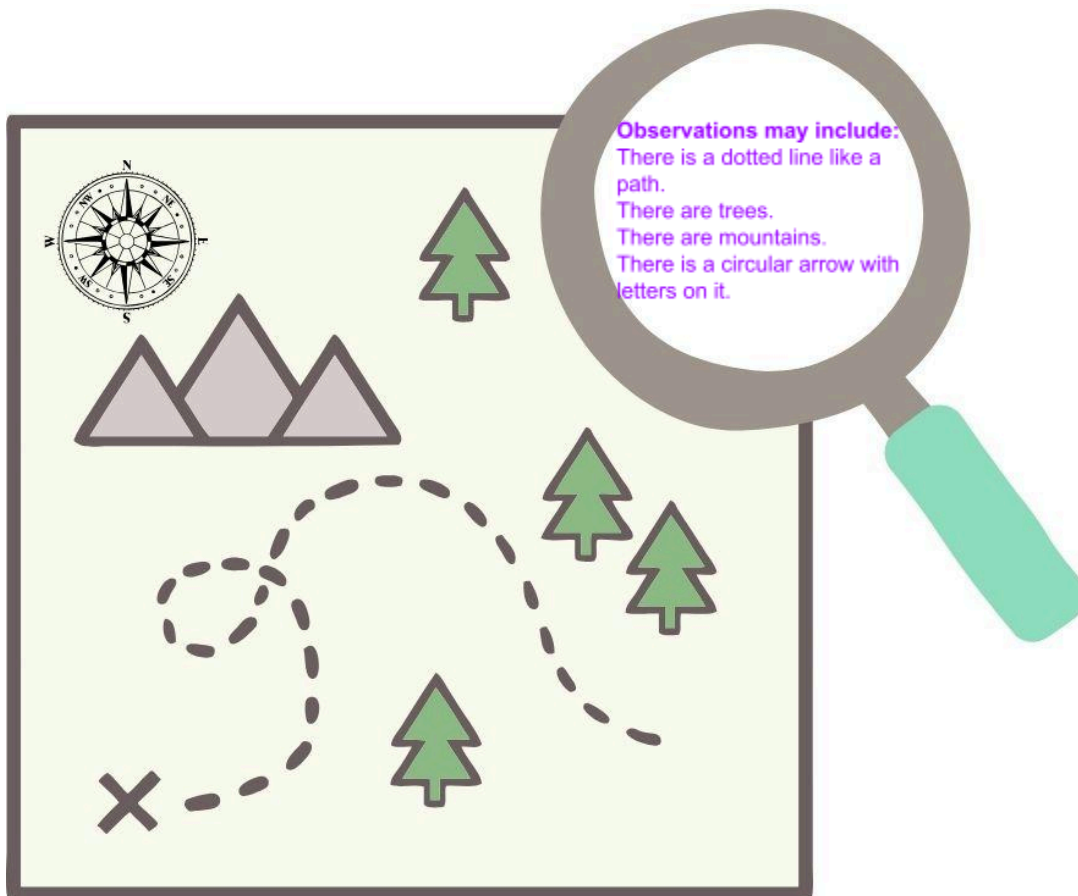
Compass Rose - a symbol showing the directions to use when reading a map to help you position the map correctly

Cardinal Directions - the four main compass directions: North, South, East, and West

Activity 1

Reading a Map

- 1 Observe the map below. What are some things that you notice about this map? Write your observations in the magnifying glass.



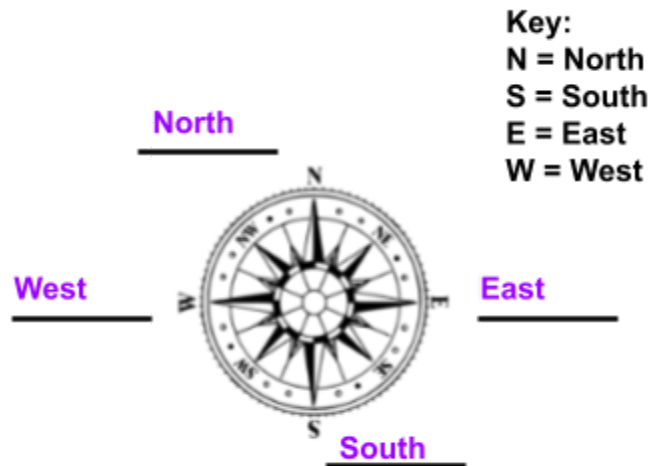
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2 This is a compass rose. It is found on the map and used to help you figure out how to read it correctly.

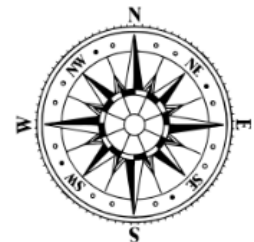
Label the letters on the compass rose using the key.



Activity 2

Using Ari to Read Your Map

- Place Ari on your desk.
- Turn your map so that the compass rose on the map looks exactly like the compass on Ari.
- Keep your map in this orientation and place Ari onto the X on the map.
- Now practice reading the map using Ari.



- 1 From where Ari is located, which direction is the mountain?
- 2 From where Ari is located, which direction is the closest tree?
- 3 If you followed the dotted line, which direction would you go?
- 4 From where Ari is located, which direction is the compass rose?

North

East

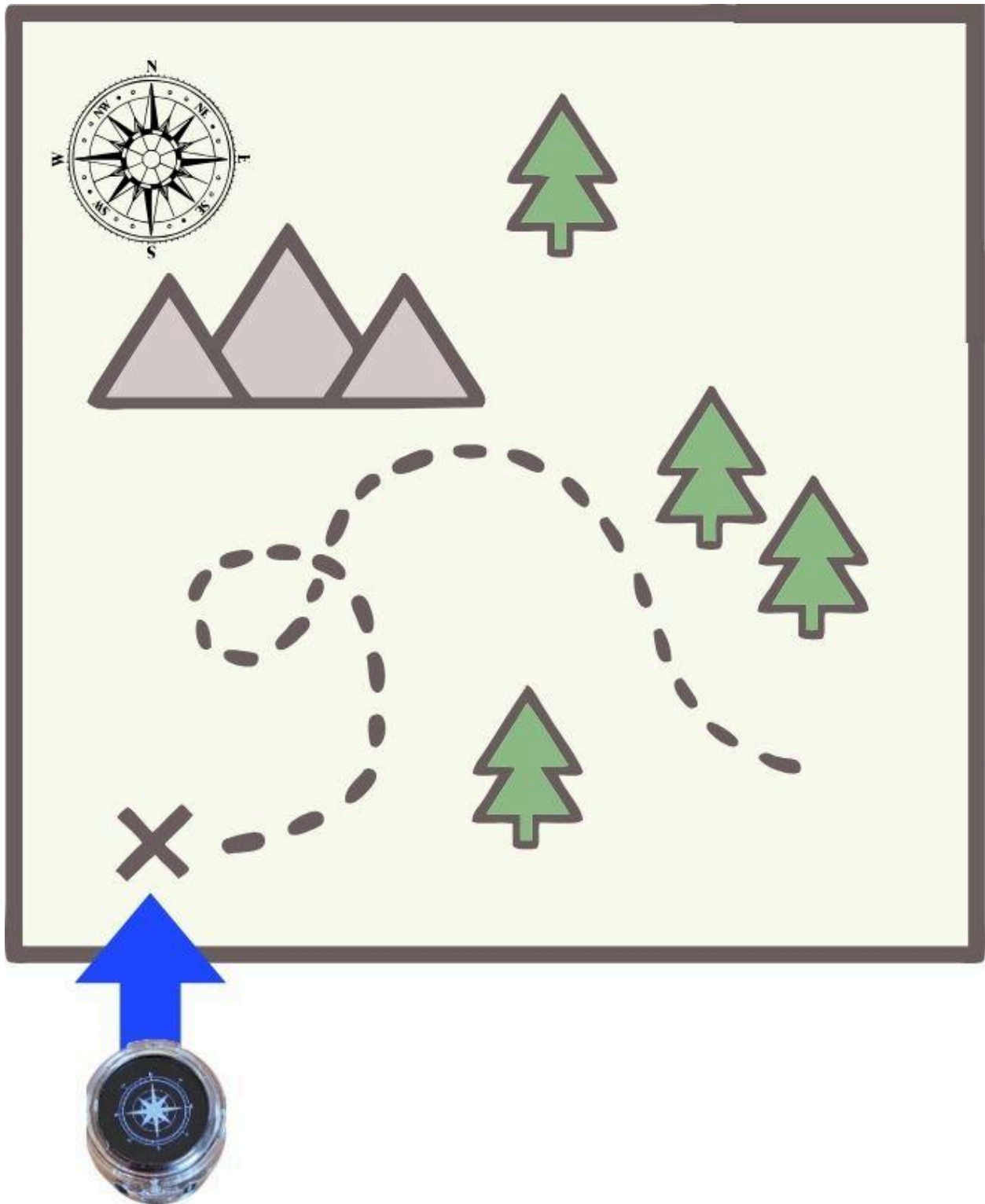
East

North

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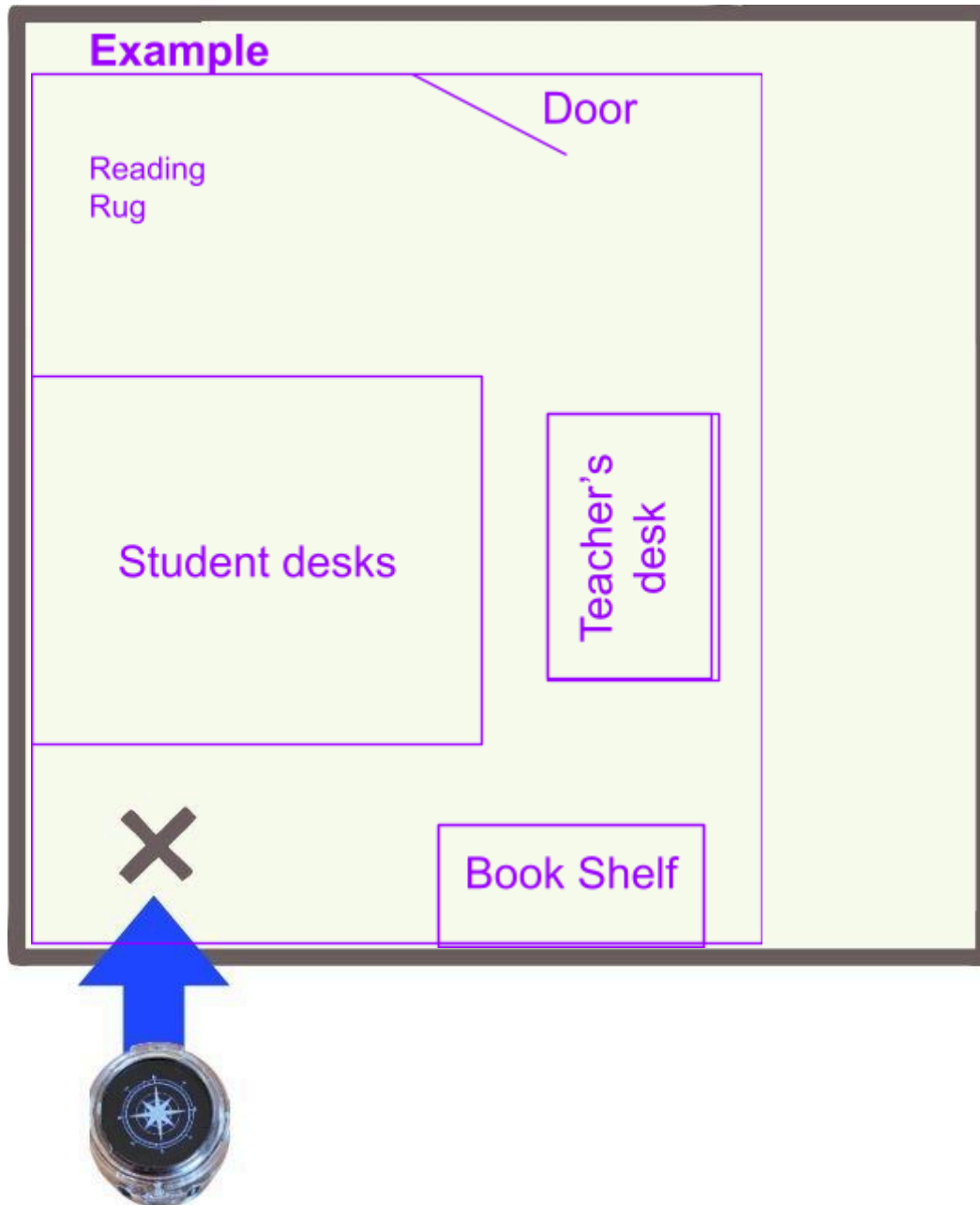
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Activity 3

Treasure Mapping

- Start by placing Ari on the X and positioning your map how you wish to draw it.
- Draw a compass rose that aligns with the directions you would want someone to read your map.
- Draw 4–5 basic “landmarks” within your space (Example: Your desk, the trash can, the teacher desk, the door).
- Place an item in a location in the space.



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- Write directions to give clues to find your item using the map and Ari's Compass.

Clues: Directions will vary based on where the item is hidden. Example:

- 1 Start with Ari on X and move five steps North towards the reading rug.
- 2 Now move two steps to the East towards the teacher's desk.
- 3 Walk North 4 steps towards the door.
- 4 Finally, look towards the East to find the treasure.

Exit Ticket

Follow the clues and reflect!

1. I found a pink pencil eraser by using Ari, a map, and a set of clues.
These will vary based on the items that are hidden by each group.
2. I was able to do this by doing the following steps:
 - Place Ari on my desk.
 - Turn my map so that the compass rose on the map looks exactly like the compass on Ari.
 - Place Ari onto the X on the map.
 - Read the clues and use Ari to find the treasure.
3. A question I still have is questions will vary
 - Sample question: How can a compass be used to find things beneath the ground?