**Robbery Alibi**

**Geography**

**Patterson**

(W) Means on website

Underline what should be said to the class

If there is a blue word click on it while holding down “ctrl”

The purpose of this lesson cycle is for students to practice maps skills and test their ability to think abstractly when it comes to Geography.

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| **Day 1** | |
| **Learning Target** – I will use a political map to create a believable alibi (excuse) of why I didn’t rob the bank.  **Warm Up –** No Warm Up | |
| -page 3 | **Resources**  **Materials**  **Extension** |

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| **Day 2** | |
| **Learning Target** – I will use a political map to analyze suspect’s stories to determine who robbed the bank.  **Warm Up –** No Warm Up | |
| -page 4 | **Resources**  **Materials**  **Extension** |

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| **Day 3** | |
| **Learning Target** – I will analyze other suspect’s stories and a political map to determine who robbed the bank.  **Warm Up –** See Logic Flow for Day 3 below. How would tracking the suspect’s movement been more difficult if the suspect gave you directions to the middle of a forest, desert, or ocean? | |
| -Students finish page 4, then work on creating Battleship boards for Latitude and Longitude games. | **Resources**  **Materials**  **Extension** |

**Logic Flow for Day 3**

Give each students a mini-tangerine/orange. Ask them to get the rind to lay completely flat. Ask them if this was easy for them? They probably had to break part of it and distort it. Show them a globe and a map. Ask them what the tangerine and the activity they did has to do with these tools? Explain that as the globe gets flattened out, distortions happen. It is important to understand that the tools and strategies that we use in life have limitations that aren’t always apparent.

Remind students that during the natural disaster project and the robbery alibi, students followed a sentence frame where directions were given by street names. Display a picture of a desert or an ocean. Why would it be hard to describe your location to someone trying to find you here? How would the find you? How does it work?

You can work in explanations of relative and absolute location. Relative as in relation or connectedness.

Show this video: [**https://www.youtube.com/watch?v=kIID5FDi2JQ**](https://www.youtube.com/watch?v=kIID5FDi2JQ)Have students then answer the warm up question.

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**Random Musings**

Print map of Des Moines, label directions, have directions labeled in the room

OneNote pages exists, show how to search, write alibi on the lined piece of paper

**Discussion Questions on Day 2**

Why would this have been easier if you could use absolute locations?

Also, print off directions to hang in the room to help students

Have students take a lined piece of paper. Have them number one through six.

Have them write

Go on until

**Robbery Alibi (Excuse) Project**

**Class Copy**

HELP! You have just been arrested for robbing a bank, again!!!!!!

After you left Callanan yesterday, you stopped at two different places before you went home. It was while you were running these errands/going to these places, a bank in Des Moines was robbed. So here you find yourself, sitting at a police station, trying to get everyone to believe that you didn’t actually rob the bank. Why won’t they believe you though?

The main problem is that the police officer who is listening to you is new to Des Moines and gets confused easily (just like Mr. Patterson). Your job is to write the down the directions that show the path you took on your way back home. In order for her to understand your story, **you can’t say the exact address of where you are going.**

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1. Find Callanan Middle School and highlight it on your map.
2. Decide what two places you stopped at after you left Callanan yesterday. These two places can’t be right next to each other! If they are right next to each other, than the police will say you had enough time to rob the bank.

Suggestions of places you stopped include a restaurants, a gas station, a clothing store, a coffee shop, a friend’s house, or a Pokémon Go stop. As long as it is appropriate and in Des Moines, you can visit. If you still can’t decide or find the place you’re thinking of, raise your hand and Mr. Patterson will come help you.

1. Highlight/mark the places that you stopped at.
2. Highlight/mark the path that you took from Callanan to your two stops. Remember, that you are in a car and need to follow the lines on the map. Try and have at least five or more turns between places.
3. Write a rough draft of your directions. My suggestion is that you use the following sentence starter when writing your directions. Make sure that you don’t use a specific address and don’t name the place that you’re traveling to.

**Template**: Go\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_\_\_ until \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Direction Street Street**

**Example**: Go\_\_\_\_\_North\_\_\_\_\_\_ on \_\_31st Street\_\_\_\_ until \_\_\_University\_Ave.

**Direction Street Street**

**Name:** Maybe more than one person that robbed bank, have example created, show street view, OneNotelink

**Block: Robbery Alibi**

**Teacher:**

**Directions:** For each suspect’s story that you check out, create a map that follows their directions/path. Make sure that you highlight the stops they make and mark the route that they took.

When you are finished with a suspect’s story, grab a computer and go to the link in OneNote that is posted. Find the intersections that your suspect stopped at. Use street view to look around the intersection and identify what building they went into. In order to activate street view, you will need to click on the yellow man and then click on street.

For each suspect that you check, answer the following questions, if possible. Make sure you label which questions go with what suspect.

1. What was the suspect’s first stop at?

2. What was the suspect’s second stop at?

3. In your opinion, did the suspect rob the bank?

**Name:**

**Block: Relative Location - Day 2**

**Teacher:**

**Directions:** For each suspect’s story that you check out, create a map that follows their directions. Make sure that you highlight the stops they make and mark the route that they took.

When you are finished with a suspect’s story, grab a computer and go to the link in OneNote that is posted. Find the intersections that your suspect stopped at. Use street view to look around the intersection and identify what building they went into. In order to activate street view, you will need to click on the yellow man and then click on street.

For each suspect that you check, answer the following questions, if possible. Make sure you label which questions go with what suspect.

1. What was the suspect’s first stop at?

2. What was the suspect’s second stop at?

3. In your opinion, did the suspect rob the bank?

**Class Copy – Suspect Alibis (Stories)**

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**Suspect #1**

|  |  |
| --- | --- |
| **Callanan to Location #1** | **Location #1 to Location #2** |
| 1. Go **North** on **31st**until **University**.  2. Go **West** on **University** until **34th Street.**  3. Go **North** on **34th Street** until **Clark Street**.  4. Go **East** on **Clark Street** until **30th Street.**  5. Go **South** on **30th Street** until **Forest** **Ave**.  6. On **Southeast** corner of this intersection there is a restaurant with blue window shades. | 1. Go **East** on **Forest Ave** until **22nd Street**.  2. Go **North** on **22nd Street** until **Clark Street**.  3. Go **East** on **Clark Street** **until Martin Luther King Jr. Parkway**.  4. Go **South** on **Martin Luther King Jr. Parkway** until **Ingersoll Ave**.  5. Go **West** on **Ingersoll Ave** until **29th Street**.  6. On the **Northeast** corner of this intersection there is a restaurant with white letters. |

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**Suspect #2**

|  |  |
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| **Callanan to Location #1** | **Location #1 to Location #2** |
| 1. Go **South** on **31st Street** until **Grand Ave**.  2. Go **East** on **Grand Ave** until **28th Street**.  3. Go **North** on **28th Street** until **University**.  4. Go **East** on **University** until **24th Street**.  5. Go **North** on **24th** **Street** until **Carpenter** **Ave**.  6. On the **Northeast corner** of this intersection there is a house painted in bright purple. | 1. Go **South** on **24th Street** until **University**.  2. Go **West** on **University** until **42nd** **Street**.  3. Go **South** on **42nd Street** until **Kingman** **Blvd**.  4. Go **East** on **Kingman Blvd** until **39th Street**.  5. Go **South** on **39th Street** until **Ingersoll** **Ave**.  6. On the **Southeast corner**, there is a business with a red sign. |



**Suspect #3**

|  |  |
| --- | --- |
| **Callanan to Location #1** | **Location #1 to Location #2** |
| 1. Go **East** on **Center Street** until **24th Street**.  2. Go **South** on **24th Street** until **Ingersoll** **Ave**.  3. Go **West** on **Ingersoll A**ve until **31st Street**.  4. Go **North** on **31st Street** until **University**.  5. Go **West** on **University** until **42nd Street**.  6. On the **Northwest** corner of this intersection there is a restaurant with Orange Letters. | 1. Go **South** on **42nd Street** until **Kingman Blvd**.  2. Go **West** on **Kingman** **Blvd** until **Polk** **Blvd**.  3. Go **South** on **Polk** **Blvd** until **Grand** **Ave**.  4. Go **East** on **Grand Ave** until **35th Street**.  5. Go **North** on **35th Street** until Ingersoll Ave.  6. On the **Southeast** corner of this intersection, there is building with what looks like an American flag on the sign. |

North

South

East

West