Student Handout (Grades 6 - 8)

Introduction: In the book we're reading, Ojiig moves with his family to a new city. They travel there by car. Today, we're going to think about our own travels and explore the math behind getting from one place to another!

Part 1: My Travel Story

- Think about a time you traveled away from home. It could be for a vacation, to move, or even just a place you like to visit. Where did you go?

  _____

- How did you get there? (Car, plane, train, bus, bike, walking, etc.)

  _____

- How long did it take to get there?

  _____

- Using Google Maps, find out how far away your travel destination is

  _____

- Using Google Maps compare different modes of transit to get to the destination and compare travel times and distances

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- Are there any public transit options available to get to your destination?

  _____

Part 2: Class Travel Stories

- In small groups, choose a location and break the route into sections.
- For each section, describe:
  - Mode of transportation.
  - Speed traveled.
- Compare how different speeds affect travel time. (Example: 1 hour at 110km/hr vs. 1 hour at 40km/hr)

Share your destination with the rest of the class and discuss:

- Who went the furthest?

  _____

- What is the difference between different modes of travel? Which ones go the fastest?

  _____

- If a mode of transport goes faster than another one, what can we guess about the distance travelled? What about the time it takes to get there? (Example: a plane vs a car vs a bike vs walking)

  _____

- Are there some places you can only get to via certain forms of transportation? (Example: Europe by plane or boat; the middle of a forest by walking or bike or ATV)

  _____

Part 3: Group Investigation

- In small groups, choose a place you would like to travel to.
- Use Google Maps to plan your route and your modes of transportation. (Be creative!)
- Describe to the class:
  - Where you want to go

    _____

  - How far away is it?

    _____

  - What modes of travel would you use to get there?

    _____

  - How long would it take to get there?.

    _____