

# Israel Entrepreneurship Week

**Recommended for subject:** Math

**Topic:** The Minds Behind Waze – How to calculate your travel time

## Preparation

Print one copy of the **map** and **travel timetable** for each group.

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## Goals

This activity teaches students that simple mathematical principles (such as calculating averages, comparing routes, and adding time) are at the core of everyday technologies like Waze. By solving math problems in a fun, interactive setting that simulates how Waze's algorithm works, students will discover that the same math they learn in class is used dozens of times a day on their phones.

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## Instructions

1. Print and distribute the **map and timetable** to each group.
  2. Give the students a few minutes to explore and understand the table, present yourself as a “new driver” and tell the class you’ll need their help finding the **fastest route** - just like Waze.
  3. Call out two random points from the map (e.g., A to G), and ask each group to calculate the **fastest route** and total **travel time**.
  4. You can write their answers on the board and compare.
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\* **Extra Notes and Game Twists:**

- Make the challenge more dynamic, incorporate real-life traffic events.  
For example:
  - "There's been an accident on road A–E. It's now blocked."
  - "A traffic jam is forming — from now on, road E–D will take 12 minutes instead of 8."

These small twists simulate the real-time updates Waze provides and encourage students to create multiple scenarios for each path while practicing quick calculation skills.