

Lesson Design a Food Delivery App for 9-10th

PBL: TikTok Your Community Delivery App

Create a **community-sharing delivery app** and explain how it works in a **short, engaging TikTok video?**

How to do it

You've learned how food delivery apps work:

- Using **GPS coordinates** to know where the person and item are
- **Route optimization**: fastest vs shortest path
- **Traffic data integration**: predicting slowdowns or busy areas
- **Predictive modeling**: estimating best delivery times
- Handling multiple users with the same resource

Now, imagine an app for your **own community**, not just food. It could deliver:

- Borrowable tools (snow shovels, bikes, umbrellas)
- Study materials or stationery
- Shared games or sports equipment

Task Instructions

1. **Concept:** Decide the main purpose of your app.
 - What items will your community share?
 - Who can request or lend items?
2. **App Workflow:**
 - How **someone requests and receives an item**
 - How the app **chooses the best lender/delivery**
 - How the app **uses concepts from the lesson** (coordinates, speed/distance, traffic)
3. **TikTok Video Elements:** Make it **fun and short (30–60 sec)**
 - Introduce the problem ("Need a snow shovel?")
 - Show your app interface/screenshots (real or drawn)
 - Highlight cool features (traffic prediction, multiple delivery options)
 - End with a catchy tagline

Upload: Video made by you or Hand-drawn screens and narration script
