AI-GREENER
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Group Design Template: AI Solutions to Reduce the Greenhouse Effect

Target age: 15–18 years
Group size: 4 students
Task: Design an AI-based application that could help reduce the greenhouse effect in your **school or city**.

Project Goal

Your group will design an original **AI application idea** that helps lower greenhouse gas emissions or reduce their impact in your **school or city**. This worksheet will guide your thinking step by step — there are no right or wrong ideas, but your solution should be **realistic, creative, and clearly explained**.

Group Members & Roles

Write each member's name and role. Everyone should contribute.

Name	Role (suggested roles below)
	Researcher (climate problem)
	AI Designer (how AI works)
	Solutions Planner (features)
	Presenter / Recorder

(Roles can overlap if needed.)

Step 1: Identify the Problem

Think about your **school or city**.

1. What greenhouse-effect-related problem do you want to focus on? (Choose one or describe your own)

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- ☐ Energy waste (electricity, heating, air conditioning)
- ☐ Transportation emissions
- ☐ Waste management
- ☐ Food waste
- ☐ Air quality monitoring
- ☐ Other: _____

2. Describe the problem in your own words:

3. Who is affected by this problem?

Step 2: Your AI Application Idea

1. What is the **name** of your AI application?

2. In **one sentence**, describe what your AI app does:

Step 3: How Does AI Help?

AI should play an important role in your solution.

1. What type of AI does your app use? (You may choose more than one)
   - ☐ Data analysis
   - ☐ Prediction (forecasting future outcomes)
   - ☐ Image recognition
   - ☐ Smart recommendations
   - ☐ Automation
   - ☐ Chatbot / virtual assistant
2. What kind of data would your AI need? (e.g., sensor data, user input, weather data)

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3. How does AI make your solution **better than a normal app**?

Step 4: Features of Your Application

List **at least three key features** of your AI app.

Feature What it does How it helps reduce greenhouse gases

Step 5: Impact and Benefits

1. How would your app help reduce the greenhouse effect?

2. Who would use this app?
   - ☐ Students
   - ☐ Teachers
   - ☐ School administrators
   - ☐ City officials
   - ☐ General public
   - ☐ Other: _____
3. What positive changes could happen if your idea is successful?

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