



SAVING FOSSIL FUEL TROPOLIS

TIME: 20-30 MINUTES TO PLAN
5 MINUTES PER GROUP TO PRESENT

HOW TO USE

Each student or team receives a role card describing a green career. Together, they respond to a shared environmental scenario using their skills. This promotes **COLLABORATION**, **EMPATHY**, and **CREATIVE THINKING**.

SCENARIO: ECO-CITY CRISIS 2040

A fictional city faces rising temperatures, water shortages, and food insecurity. The mayor has hired a team of green career experts to come up with a plan!

INSTRUCTIONS

Each student/team uses their role card.

They discuss solutions using each profession's skills.

And finally create a short presentation or poster.

KEY GOALS

- 🌍 Reduce emissions
- 🌍 Conserve water
- 🌍 Provide healthy food
- 🌍 Improve public awareness



STAKEHOLDERS TO CONSIDER

Local citizens
Future generations
Local ecosystems
Government



PRESENTATION PROMPTS:

- 🌱 What's your **JOB**?
- 🌱 What **SOLUTIONS** do you bring?
- 🌱 How do you **COLLABORATE** with others?

RENEWABLE ENERGY TECHNICIAN

MAIN GOALS: Maintain and repair solar panels and wind turbines.

SKILLS: Engineering, climbing safety, solar/wind technology.

TOOLS: Multimeter, safety harness, diagnostic software.

DAILY TASKS: Inspect and fix turbines, check energy output.

ENVIRONMENTAL IMPACT: Provides clean, renewable power to reduce fossil fuel use.



URBAN FARMER

MAIN GOALS: Grow sustainable food in the city.

SKILLS: Agriculture, water conservation, teamwork.

TOOLS: Hydroponics, LED lights, compost.

DAILY TASKS: Plant care, harvest, sell produce at markets.

ENVIRONMENTAL IMPACT: Reduces food miles and supports local communities.



SUSTAINABLE ARCHITECT

MAIN GOALS: Design eco friendly buildings.

SKILLS: Creativity, structural design, climate-smart solutions.

TOOLS: CAD software, eco-material guides.

DAILY TASKS: Create blueprints, assess energy use, meet with clients.

ENVIRONMENTAL IMPACT: Cuts emissions by improving building efficiency.



WATER QUALITY TECHNICIAN

MAIN GOALS: Ensure safe, clean water for people and wildlife.

SKILLS: Testing, analysis, lab work.

TOOLS: Water test kits, sampling bottles, lab equipment.

DAILY TASKS: Collect samples, test for pollutants, report findings.

ENVIRONMENTAL IMPACT: Prevents waterborne illnesses and ecosystem damage.



ENVIRONMENTAL LAWYER

MAIN GOALS: Fight for laws to protect nature.

SKILLS: Public speaking, writing, research.

TOOLS: Law books, laptop, legal databases.

DAILY TASKS: Attend hearings

ENVIRONMENTAL IMPACT: Pushes for systemic change and protection of natural resources



CLIMATE SCIENTIST

MAIN GOALS: Study the causes and effects of climate change.

SKILLS: Data analysis, computer modelling, fieldwork.

TOOLS: Satellites, sensors, climate models.

DAILY TASKS: Collect climate data, predict trends, write reports.

ENVIRONMENTAL IMPACT: Informs global decisions and disaster preparedness.

