RAISING AWARENESS OF NATURAL DISASTERS WITH AI

This educational program aims to raise students' awareness of natural disaster risks. It is intended for middle school geography classes.
It was presented on the forum of the French MOOC "Artificial intelligence for and by teachers" – visited on 01/07/2025.

LIST OF TOOLS USED

AI / Digital Tool	Main Use	Educational Applications	Link
Claude	Generating creative ideas, text reformulation, and writing assistance	Stimulates creativity in designing educational projects and awareness campaigns	claude.ai
Canva	Creating visually engaging materials (posters, infographics, presentations)	Facilitates visual communication and concept understanding	canva.com
Canva AI	Generating images, mockups, and visuals from text prompts	Allows students to create original and impactful visuals for projects	canva.com/features/ai-image-generator
Stop Disasters!	Simulation game on natural disaster prevention	Lets students experiment with risk management and prevention strategies	stopdisastersgame.org
Perplexity AI	Research and realistic scenario generation	Provides verified and contextual data on natural disasters	perplexity.ai

LEARNING OBJECTIVES

- Analyze the causes and impacts of natural disasters.
- Develop prevention and risk management strategies.
- Communicate prevention information effectively.
- Use digital and AI tools for learning.

LESSON PLAN

SESSION 1: INTRODUCTION – IMMERSION AND CRITICAL THINKING

Resource: Perplexity AI

Objective: Create scenarios based on real events to understand crisis management during natural disasters.

Procedure:

- Research and create natural disaster scenarios using Perplexity AI.
- Reading and situational exercises with students.
- Group brainstorming: identify appropriate reactions and mistakes to avoid.

SESSION 2: INTERACTIVE EXPLORATION – SIMULATION WITH *STOP DISASTERS!*

Resource: Stop Disasters!

Objective: Test different prevention and risk management strategies in a virtual environment.

Procedure:

- Students play *Stop Disasters!* in groups to evaluate their decisions during various disasters.
- Group debrief: identify effective strategies and areas for improvement.

SESSION 3: DESIGNING A PREVENTION CAMPAIGN

Resources: Canva, Canva AI, Claude

Objective: Create a visual and textual campaign for natural disaster risk prevention.

Procedure:

- Research ideas and design the campaign concept with Claude.
- Graphic design on Canva and use of its AI feature to generate visuals.
- Final layout and preparation for presentation.

SESSION 4: PRESENTATION AND CONCLUSION

Resources: Materials created by students

Objective: Present projects and assess understanding of natural disaster issues and AI tool usage.

Procedure:

- Present campaign projects (posters, visuals, texts).
- Students explain the AI tools used and their role in the project.
- Final discussion: learning outcomes, importance of prevention, and the impact of AI tools.