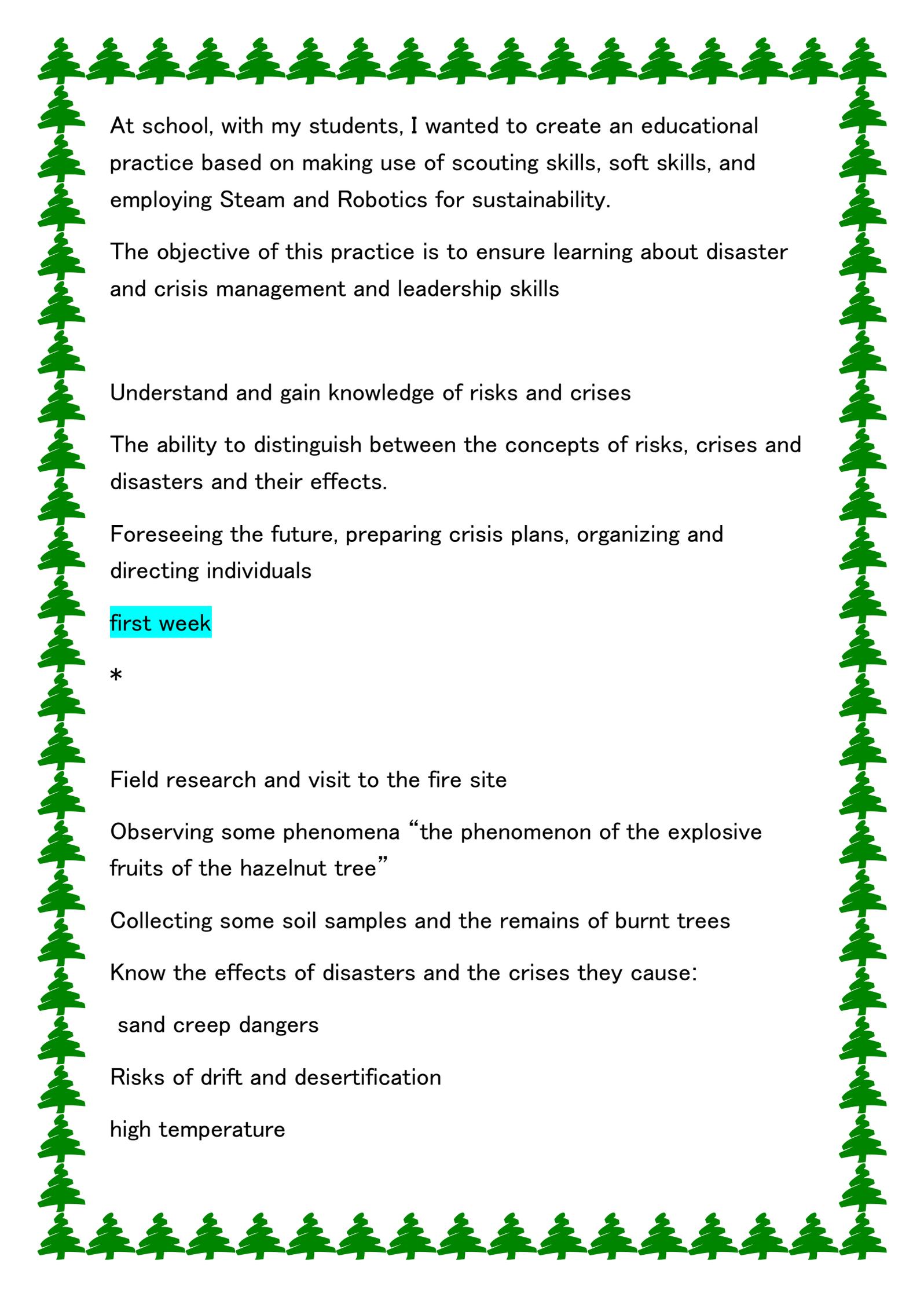## Learning based on crisis and disaster management skills

Students about 9-10-11 years old

Objective: To combine soft skills ; STEaM and scouting skills in order to achieve crisis and disaster management skills-based learning

After the forest fire disaster near the school, we decided to adopt a climate dialogue project to raise awareness about the need to save trees and forests from fires and to know the appropriate skills to confront disasters and crises

For this purpose, the formal education represented by Steam knowledge and the non-formal education represented by Scouting, in addition to the soft skills were adopted to train students in the skills of disaster resilience. This project will combine, for example, visual arts, chemistry, artistic work, biology, technology, programming and robotics as it allowed This educational practice combines different subjects.

At school, with my students, I wanted to create an educational practice based on making use of scouting skills, soft skills, and employing Steam and Robotics for sustainability.

The objective of this practice is to ensure learning about disaster and crisis management and leadership skills

Understand and gain knowledge of risks and crises

The ability to distinguish between the concepts of risks, crises and disasters and their effects.

Foreseeing the future, preparing crisis plans, organizing and directing individuals

first week

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Field research and visit to the fire site

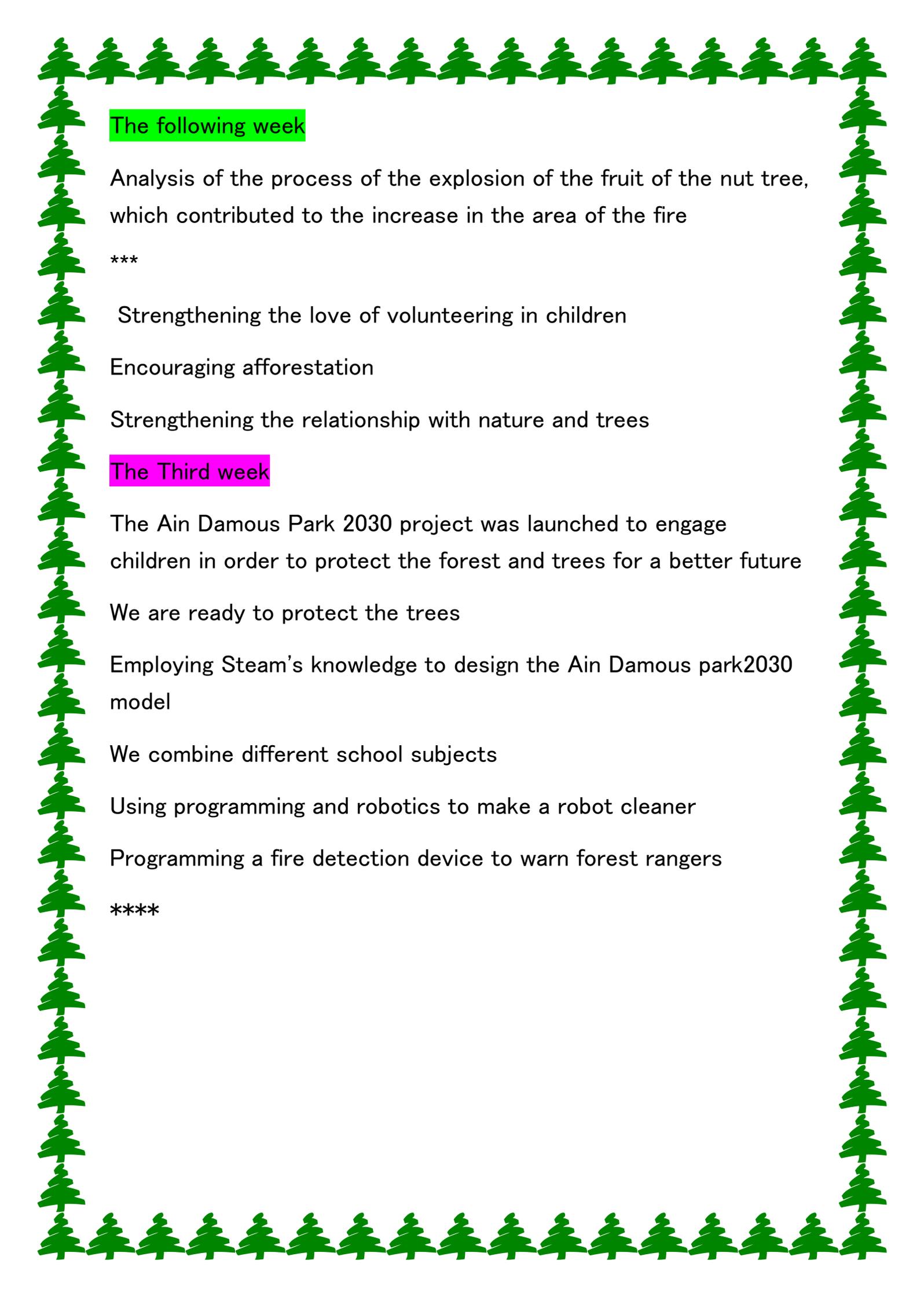Observing some phenomena "the phenomenon of the explosive fruits of the hazelnut tree"

Collecting some soil samples and the remains of burnt trees

Know the effects of disasters and the crises they cause:

 sand creep dangers

Risks of drift and desertification

high temperature

Analysis of the process of the explosion of the fruit of the nut tree, which contributed to the increase in the area of the fire

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Strengthening the love of volunteering in children

Encouraging afforestation

Strengthening the relationship with nature and trees

The Third week

The Ain Damous Park 2030 project was launched to engage children in order to protect the forest and trees for a better future

We are ready to protect the trees

Employing Steam's knowledge to design the Ain Damous park2030 model

We combine different school subjects

Using programming and robotics to make a robot cleaner

Programming a fire detection device to warn forest rangers

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