



UNIT GRAPHIC ORGANIZER

SUBJECT: Science

UNIT: 2

COURSE: Third

TEACHER: Lucero Gomez- Paola Marenco

DATE: April 9th 2025

TITLE:

LIVING AND PHYSICAL ENVIRONMENT

What happens to animals and plants when people cut down trees or pollute rivers?

How do animals and plants adapt to their environment to survive, and what happens if the environment changes too quickly?

What happens to your shadow when you jump? Does it jump too?

THROUGHLINES:

GENERATIVE TOPIC

Fun-unplugged

UNDERSTANDING GOALS:

The students will learn how cutting down trees, hunting animals, and polluting air, water, and soil can hurt plants, animals, and even people through an activity where the students will collect different materials (plastic, paper, banana peel, aluminum). Have students predict how long each takes to break down and reveal the real timelines

The students will discover how animals, plants, and the environment all work together and what happens when one part gets messed up playing about the pollution where the teacher will pick roles for each child, sun, plant, herbivore, carnivore. The "pollution monster" tags players. If one part of the chain gets tagged, everyone who relies on that part freezes too.

Students will understand that shadows happen when something blocks the light and can change size and shape during the day, developing an interactive games and a lab report.

	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
Exploration Stage	<ul style="list-style-type: none">To understand the effect of the activities human on the ecosystem	2 weeks	<ul style="list-style-type: none">Showing pictures of damaged ecosystems (oil spills, deforestation) and making brainstorm ways to restore them.Doing a lab report “Soil Layer Experiment: where they will fill a jar with layers of soil, water, and leaves. Add	<ul style="list-style-type: none">Identify the human activities that impact ecosystemsDescribe how pollution spreads through air, water, and soil.

	<ul style="list-style-type: none"> To explore how pollution affects air, water, soil, and living things 		<p>"pollution" (food coloring, glitter, etc.) and we will watch how it seeps through the layers, showing how pollution spreads underground.</p> <p>Synthesis Project Stage 1</p> <ul style="list-style-type: none"> ❖ As a result of the project research, a booklet will be developed with various activities that encourage children to step away from screens and engage in hands-on, educational learning about a subject-related topic. 	
Guided Stage	<ul style="list-style-type: none"> To understand how plants, animals, and the environment depend on each other to survive To understand how light and shadows are part of the environment and affect living things 	3 weeks	<ul style="list-style-type: none"> Playing Food Chain Tag: The teacher will assign kids roles (sun, plant, herbivore, carnivore). If a "plant" gets tagged (e.g., dies due to pollution), all animals relying on that plant freeze too, showing how everything connects. Making a report lab about the shadow and playing "living shadows" the students will do mimic animals that rely on shadows. <p>Synthesis project stage 2</p> <ul style="list-style-type: none"> ❖ As a result of the project research, a booklet will be developed with various activities that encourage children to step away from screens and engage in hands-on, educational learning about a subject-related topic. 	<ul style="list-style-type: none"> Explain how living things rely on each other for food, shelter, and survival Observe and describe how shadows change size and direction depending on the light's position.
Learning Evidence	<ul style="list-style-type: none"> To decorate the didactic booklet To organize the layout 	3 weeks	<p>Project Stage 3</p> <p>Recording the information in the activity log, binding the booklets, designing the cover, organizing the layout, writing and decorating the booklet, and finally presenting the project according to the assigned groups and roles.</p>	<ul style="list-style-type: none"> Make a creative design Select the activities to organize the booklet.