



UNIT GRAPHIC ORGANIZER

SUBJECT: SCIENCE

UNIT N^o: 4

GRADE: FIRST

TEACHER: DIANA ARAMBULO

DATE: SEPTEMBER 06th, 2021.

EARTH, MOON AND SUN – LIGHT AND SOUND

THROUGHLINES:

1. How does the sun impact the Earth? What would happen if the Sun disappeared?
2. What would happen if light does not exist?
3. How do sounds reach your ears?

GENERATIVE TOPIC:



UNDERSTANDING GOALS:

The students will understand how the universe is composed by making models of the moon, sun and earth with Oreo cookies to identify their characteristics.	The students will understand how the light works by experimenting about the shadow, natural and artificial sources of light to distinguish features.	The students will understand the sounds are produced and perceived by classifying and comparing them in a musical instrument to recognize what sounds can damage our ears.
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	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
EXPLORATION STAGE	<ul style="list-style-type: none"> • To watch some videos about the sun, moon and earth. • To play games about the universe. • To watch the video "sources of light for kids" and answer questions about it • To observe natural and artificial sources of light around the house and neighborhood. • To hear sounds in daily life. • To observe and listen to examples of light and sounds. 	3 weeks	<ul style="list-style-type: none"> • Pointing out some flashcards about the topics. • Watching the video and proposing questions about sources of light. • Observing pictures of natural and artificial sources of light. • Doing experiments at home (using a flashlight) (Cool Light Refraction and Rainbow) • Cutting out pictures about natural and artificial sources of light. • Doing experiments at home (using reusable materials) (Musical instrument) • Reproducing a different kind of sounds from the student's environment. <p>SYNTHESIS PROJECT ADVANCE Making different cards to play headband by cutting up different examples of celestial bodies.</p>	<p>Express ideas using scientific vocabulary.</p> <p>Explaining different features. Making relations or differences between concepts using the information.</p>
GUIDED STAGE	<ul style="list-style-type: none"> • To recognize the moon, sun and earth. • To identify light sources around us. • To classify different sources of light such as natural and artificial. • To listen and identify sounds from different sources. • To describe different sounds in a comparative chart. • To create bar graphs, to compare sounds according to their duration. • To difference soft and loud sounds. 	3 weeks	<ul style="list-style-type: none"> • Making models with Oreo cookies to identify faces of the moon • Making a list of differences between natural and artificial sources of light. • Classifying different sounds according to their volume and intensity. • Doing a presentation about the universe with candies. • Making a list of the characteristics of loud and soft sounds. • Classifying long and short sounds. • Comparing different sounds given in bar graphs. <p>SYNTHESIS PROJECT ADVANCE To design the headband game with pictures and vocabulary worked in class by drawing different examples of light and sound sources.</p>	<p>Socialize their ideas about a topic, using appropriate language.</p> <p>Through the previous knowledge create their own concept.</p>

LEARNING EVIDENCE	Exploring the world around me! To make a headband game using vocabulary about light and sound sources and moon, sun and earth.	2 weeks	<ul style="list-style-type: none">Playing the headband game, using the cards describing the vocabulary worked in class. Students will guess the Word and explain what it is?	Making real concepts.
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Comentado [CM1]: