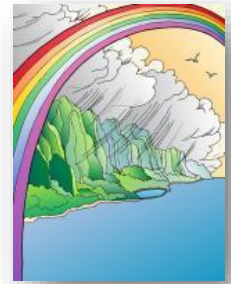


Anilā (Weather) Report

O- ‘Ohana goal (Why do the activity?) Family goal

“I ka nānā nō a ‘ike”
By observing, one learns.



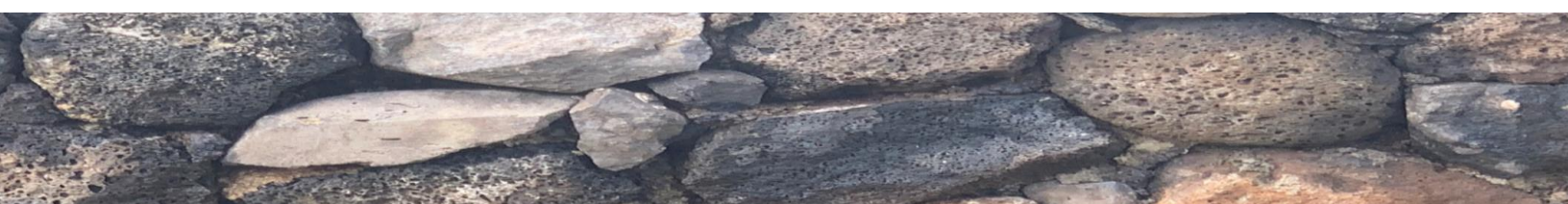
Kilo (*observation*) is something our kūpuna (*ancestors*) did in their everyday lives. They relied on these skills to help them to predict the weather, navigate, farm, and fish. When we take the time to practice skills of kilo, we’re offered a glimpse of how our kūpuna gathered information prior to readily available smart phones and tablets. Being able to kilo our environment strengthens our pilina (*relationship*) and connection with our surroundings. In this ‘ohana activity, your ‘ohana will practice kilo by observing the anilā (weather) from your home or other chosen location. Your ‘ohana will observe when and how the weather changes over time, as well as how these changes may affect your ‘ohana and the environment around you.

Benefits: Your ‘ohana will have the opportunity to practice skills kupuna have gifted their families for generations; building a deeper connection with the surrounding environment, honing skills of observation, and reflecting upon the changes of the weather (*anilā*) as would have been done traditionally throughout Hawai‘i nei.

H- Ha‘awina (Let’s do the activity) Lesson, Assignment, Task

Materials Needed:

- Anilā (Weather) Report
 - If you’re unable to print, use a notebook or blank sheets of paper.
 - There is also a ‘ōlelo Hawai‘i version of the Anilā (Weather) Report below.
- Pen or pencil

A thumbnail image of the Anilā (Weather) Report form. The form is titled "Anilā (Weather) Report" and has a header section with fields for Name, Date, Place, and Observer. Below the header, there are two main columns: "What to Observe" and "How to Observe". The "What to Observe" column has a "Wind" section with checkboxes for "Fast (tropical) wind" and "Slow (trade) wind", and a "Clouds" section with checkboxes for "High", "Medium", and "Low". The "How to Observe" column has a "Time" section with checkboxes for "Morning", "Afternoon", and "Evening", and a "Location" section with checkboxes for "Home", "School", and "Other". There are also checkboxes for "Wind speed" and "Wind direction". At the bottom, there is a section for "Date and time of observation" and a note: "You may use a pencil or pen to complete the report." The form is designed to be filled out by students to record weather observations.

Process:

1. Go outside once a day to observe (*kilo*) the weather in your environment.
2. Write & draw your observations in your Anilā (Weather) Report.
3. Create a book or running log with your daily reports.

Tips:

- Try to kilo (*observe*) at the **same time and location each day**. This will help with making connections and comparisons between results.
- Log your Anilā (Weather) Report as often as the weather changes throughout the day.

A-Alaka'i (What did you learn? What can you teach?) To lead, Guide, Direct

Reflective Question(s):

- What kind of patterns do you see in the weather (*anilā*) in your environment?
 - Is it mostly sunny, mostly rainy? Is it cloudy upland and clear near the sea?

Extension activities:

- Practice being a weathercaster and create actual short video weather reports.
 - With permission of an adult, you could also post your weather report videos on social media and keep a video journal/ blog.
- Share with friends and family and have them share with you, their daily weather reports from their environments.
 - Even on an island, the weather can be drastically different from one side to the other.













Observe: After observing the weather (*anilā*) for one-week, are you able to predict the weather for the next hour? The next day?

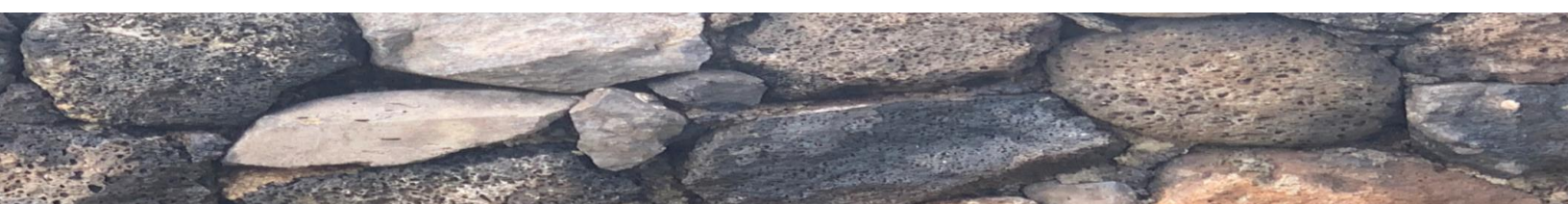
- When you notice patterns, you can better predict changes.



Anilā (Weather) Report

Date:		Time:	
Place:		Season: (Circle one)	Winter Summer

Lani (sky)	Honua (earth)					
<p>How is the... Write or draw.</p> <p><u>Weather:</u> (Circle one)</p> <table border="1"> <tr> <td> Sunny</td> <td> Partly cloudy</td> <td rowspan="2" style="width: 150px; height: 100px;"></td> </tr> <tr> <td> Showers</td> <td> Thunderstorms</td> </tr> </table> <p><u>Clouds:</u></p>	 Sunny	 Partly cloudy		 Showers	 Thunderstorms	<p>How is the... Write or draw.</p> <p><u>Tide/ sea level:</u></p> <p><input type="checkbox"/> High tide</p> <p><input type="checkbox"/> Low tide</p> <p><u>Ocean conditions:</u></p> <p><input type="checkbox"/> Calm/ flat</p> <p><input type="checkbox"/> Wavy/ bumpy</p> <p><input type="checkbox"/> Rough/ waves</p> <p><u>Temperature:</u> (Circle one)</p> <div style="border: 1px solid black; border-radius: 15px; width: 150px; height: 60px; margin-bottom: 5px;"></div> <p>F (Fahrenheit)</p> <p>C (Celsius)</p> <p><u>Humidity:</u></p> <div style="border: 1px solid black; border-radius: 15px; width: 150px; height: 60px; margin-bottom: 5px;"></div> <p style="text-align: right;">%</p> <p><i>*Use your smartphone or tablet to access the information you are unable to observe.</i></p>
 Sunny	 Partly cloudy					
 Showers	 Thunderstorms					
<p><u>Moon:</u></p> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin-bottom: 10px;"></div> <p><u>Wind:</u></p> <p><input type="checkbox"/> Kona “Leeward” wind from SW, gusty, muggy</p> <p><input type="checkbox"/> Trade winds from NE, calm, cool</p> <p>Wind Speed: _____ mph <i>*miles per hour</i></p> <p>Name/ type of moon: _____</p>						



Ka Palapala Anilā

Helu o ka lā:		Hola:	
Wahi:		Kau: (E kahalina i ho‘okahi)	Winter Summer

Ka Lani





Pehea ka/ ke...

E palapala a i ‘ole kaha ki‘i.

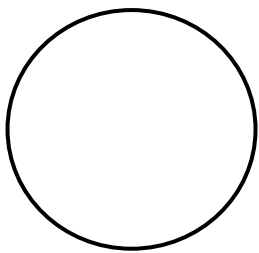
Anilā:

(E kahalina i ho‘okahi)

Ao:

 Wela	 ‘Ōmalumalu	
 Ua	 Ua loku me ka hekili	

Mahina:



Makani Kona
mai ka HK, puahio

Makani ‘olu‘olu
mai ka ‘ĀH, mālie

Ka wikiwiki: _____ mph
*mile pā hola

Inoa/ ke ‘ano o ka mahina:

Ka Honua

Pehea ka/ ke...

E palapala a i ‘ole kaha ki‘i.

Au/ kai:

Kai nui

Kai malo‘o

‘Ano o ke kai:

Mālie/ Alania

Hauliuli

Pikipiki‘ō

Ana wela:

(E kahalina i ho‘okahi)

F (Palanaheika)

C (Kelekia)

Kawaūea:

 %

*E ‘imi ma ke kelepona akamai a i ‘ole ka iPapa i nā
‘ikepili ‘a ‘ole hiki ke kilo ‘ia.

