

# Weather vs. Climate Lesson

## Elementary Level

### ***Watch the Following Video:*** **[Weather vs. Climate: Crash Course](#)**

**NGSS Standard: 3-ESS2-1-**

Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.

Objective: Students will be able to make and analyze a graph in Google Sheets on March Weather Patterns in Eastern, PA.

Objective: Students will be able to get outside during this time of isolation!

***Have students answer the following questions (based off the video)***

**What is Weather?**

**What is Climate?**











**Daily Weather Patterns (Eastern PA) \* Recordings should be taken at the same time everyday.**

Date	Temperature (C)	Cloud Cover	Observations and Predictions
March 18			
March 19			
March 20			

<b>March 21</b>			
<b>March 22</b>			
<b>March 23</b>			
<b>March 24</b>			
<b>March 25</b>			
<b>March 26</b>			
<b>March 27</b>			
<b>March 28</b>			

**How to Measure Cloud Cover:**

## Cloud Cover

Symbol	Scale in oktas (eighths)
	0 Sky completely clear
	1
	2
	3
	4 Sky half cloudy
	5
	6
	7
	8 Sky completely cloudy
	(9) Sky obstructed from view

Once the data is complete, students can graph the data using Google Sheets and/or simply by using graph paper. I will then have my kids explain the data trends in their own words.