

# Project 3(a), A Tool / Object Proposal

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Bree Dorman

# 1) Short Statement

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## 1) Short Statement

Richmond, Virginia's weather temperature changes frequently. One day it's quite warm, and the next day it's rather frigid.

2) Context, history, and a full explanation of  
the problem

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What causes climate change, and how does it affect Richmonders' lives?

# Context

The current altering climate is connected to growing levels of greenhouse gases in the atmosphere, such as carbon dioxide, methane, and hydrofluorocarbons, which insulate the earth and cause it to warm. Greenhouse gases have been released by natural processes as well as human activities such as livestock husbandry and the use of fossil fuels.. These changes in Richmond's environment might have serious consequences for citizens, the community, and the government. These consequences might include bodily harm and disease, property damage and loss, service delivery delays or disruptions, and a financial hardship.

# History

The climate of the Earth has altered over time. There have been seven cycles of glacial advance and retreat in the last 650,000 years, with the abrupt end of the last ice age approximately 11,700 years ago marking the beginning of the current climatic era – and of human civilization. Droughts and forest fires are more common in some parts of the nation. Richmond will see greater temperatures, longer heat waves, and more severe rain events. The majority of these climatic shifts are due to minute fluctuations in Earth's orbit that alter the quantity of solar energy our planet gets.

## High & Low Weather Summary for March 2021

	Temperature	Humidity	Pressure
<b>High</b>	85 °F (Mar 26, 2:54 pm)	100% (Mar 1, 1:01 am)	30.60 "Hg (Mar 1, 1:01 am)
<b>Low</b>	26 °F (Mar 6, 5:54 am)	14% (Mar 10, 1:54 pm)	29.60 "Hg (Mar 28, 5:54 pm)
<b>Average</b>	52 °F	63%	30.16 "Hg
* Reported Mar 1 12:45 am — Mar 31 11:54 pm, Richmond. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for July 2021

	Temperature	Humidity	Pressure
<b>High</b>	95 °F (Jul 1, 2:54 pm)	100% (Jul 1, 11:10 pm)	30.24 "Hg (Jul 1, 11:10 pm)
<b>Low</b>	61 °F (Jul 3, 5:54 am)	37% (Jul 7, 3:54 pm)	29.71 "Hg (Jul 8, 9:31 pm)
<b>Average</b>	79 °F	75%	30.01 "Hg
* Reported Jul 1 12:54 am — Jul 31 11:54 pm, The Row. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for November 2021

	Temperature	Humidity	Pressure
<b>High</b>	77 °F (Nov 18, 12:54 pm)	100% (Nov 2, 11:54 pm)	30.60 "Hg (Nov 2, 11:54 pm)
<b>Low</b>	27 °F (Nov 24, 4:54 am)	25% (Nov 12, 3:54 pm)	29.78 "Hg (Nov 26, 3:54 am)
<b>Average</b>	48 °F	64%	30.15 "Hg
* Reported Nov 1 12:54 am — Nov 30 11:54 pm, The Row. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for April 2021

	Temperature	Humidity	Pressure
<b>High</b>	88 °F (Apr 28, 3:54 pm)	100% (Apr 10, 5:54 am)	30.51 "Hg (Apr 10, 5:54 am)
<b>Low</b>	31 °F (Apr 2, 4:54 am)	19% (Apr 30, 4:54 pm)	29.47 "Hg (Apr 11, 5:54 pm)
<b>Average</b>	59 °F	59%	29.95 "Hg
* Reported Apr 1 12:54 am — Apr 30 11:54 pm, Richmond. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for August 2021

	Temperature	Humidity	Pressure
<b>High</b>	95 °F (Aug 24, 2:54 pm)	100% (Aug 1, 3:54 am)	30.22 "Hg (Aug 1, 3:54 am)
<b>Low</b>	62 °F (Aug 5, 4:54 am)	34% (Aug 24, 2:54 pm)	29.78 "Hg (Aug 31, 11:54 pm)
<b>Average</b>	78 °F	81%	30.06 "Hg
* Reported Aug 1 12:54 am — Aug 31 11:54 pm, The Row. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for December 2021

	Temperature	Humidity	Pressure
<b>High</b>	72 °F (Dec 17, 2:54 pm)	100% (Dec 11, 8:54 am)	30.58 "Hg (Dec 11, 8:54 am)
<b>Low</b>	26 °F (Dec 9, 5:54 am)	22% (Dec 7, 12:54 am)	29.62 "Hg (Dec 25, 2:54 pm)
<b>Average</b>	49 °F	70%	30.08 "Hg
* Reported Dec 1 12:54 am — Dec 31 11:54 pm, The Row. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for May 2021

	Temperature	Humidity	Pressure
<b>High</b>	94 °F (May 26, 2:54 pm)	100% (May 29, 1:54 am)	30.54 "Hg (May 29, 1:54 am)
<b>Low</b>	42 °F (May 8, 4:54 am)	17% (May 1, 3:54 pm)	29.68 "Hg (May 28, 5:54 pm)
<b>Average</b>	66 °F	60%	30.11 "Hg
* Reported May 1 12:54 am — May 31 11:54 pm, Richmond. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for September 2021

	Temperature	Humidity	Pressure
<b>High</b>	90 °F (Sep 13, 1:54 pm)	100% (Sep 8, 6:54 am)	30.29 "Hg (Sep 8, 6:54 am)
<b>Low</b>	51 °F (Sep 27, 6:54 am)	33% (Sep 26, 2:54 pm)	29.54 "Hg (Sep 1, 3:54 pm)
<b>Average</b>	72 °F	77%	30.02 "Hg
* Reported Sep 1 12:54 am — Sep 30 11:54 pm, The Row. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for January 2022

	Temperature	Humidity	Pressure
<b>High</b>	72 °F (Jan 1, 1:54 pm)	100% (Jan 1, 1:54 am)	30.71 "Hg (Jan 1, 1:54 am)
<b>Low</b>	12 °F (Jan 30, 6:54 am)	25% (Jan 10, 1:54 pm)	29.23 "Hg (Jan 17, 3:16 am)
<b>Average</b>	36 °F	66%	30.09 "Hg
* Reported Jan 1 12:54 am — Jan 31 11:54 pm, Richmond. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for June 2021

	Temperature	Humidity	Pressure
<b>High</b>	95 °F (Jun 21, 3:54 pm)	100% (Jun 1, 4:54 am)	30.37 "Hg (Jun 1, 4:54 am)
<b>Low</b>	54 °F (Jun 1, 4:54 am)	23% (Jun 17, 2:54 pm)	29.65 "Hg (Jun 21, 5:54 pm)
<b>Average</b>	75 °F	76%	30.03 "Hg
* Reported Jun 1 12:54 am — Jun 30 11:54 pm, Richmond. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for October 2021

	Temperature	Humidity	Pressure
<b>High</b>	65 °F (Oct 3, 1:54 pm)	100% (Oct 3, 6:54 am)	30.33 "Hg (Oct 3, 6:54 am)
<b>Low</b>	44 °F (Oct 18, 4:54 am)	29% (Oct 18, 3:54 pm)	29.43 "Hg (Oct 29, 4:54 pm)
<b>Average</b>	65 °F	80%	29.99 "Hg
* Reported Oct 1 12:54 am — Oct 31 11:54 pm, The Row. Weather by CustomWeather, © 2022			

## High & Low Weather Summary for February 2022

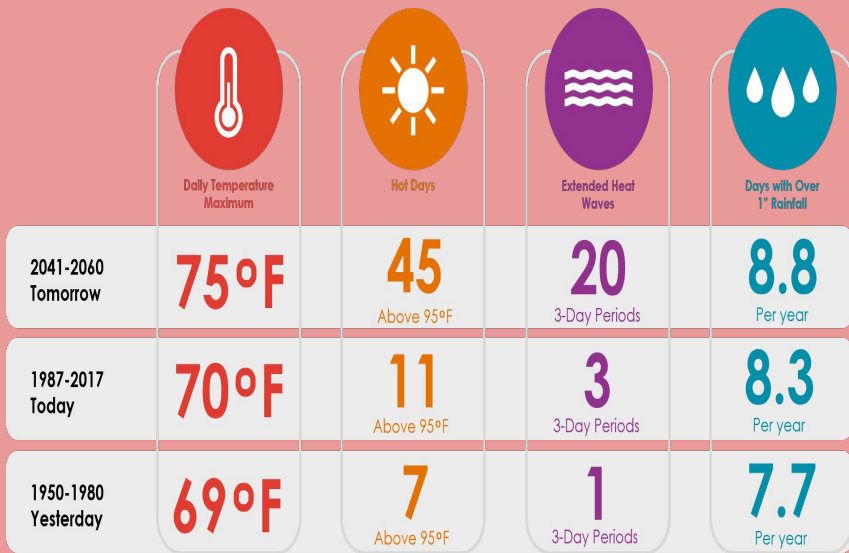
	Temperature	Humidity	Pressure
<b>High</b>	74 °F (Feb 17, 1:54 pm)	100% (Feb 25, 1:54 am)	30.71 "Hg (Feb 25, 1:54 am)
<b>Low</b>	18 °F (Feb 15, 5:54 am)	17% (Feb 19, 4:54 pm)	29.57 "Hg (Feb 18, 3:54 am)
<b>Average</b>	44 °F	66%	30.22 "Hg
* Reported Feb 1 12:54 am — Feb 28 11:54 pm, The Row. Weather by CustomWeather, © 2022			

Temperature, Humidity,  
and Pressure from  
March 2021 to March  
2022 in Richmond,  
Virginia

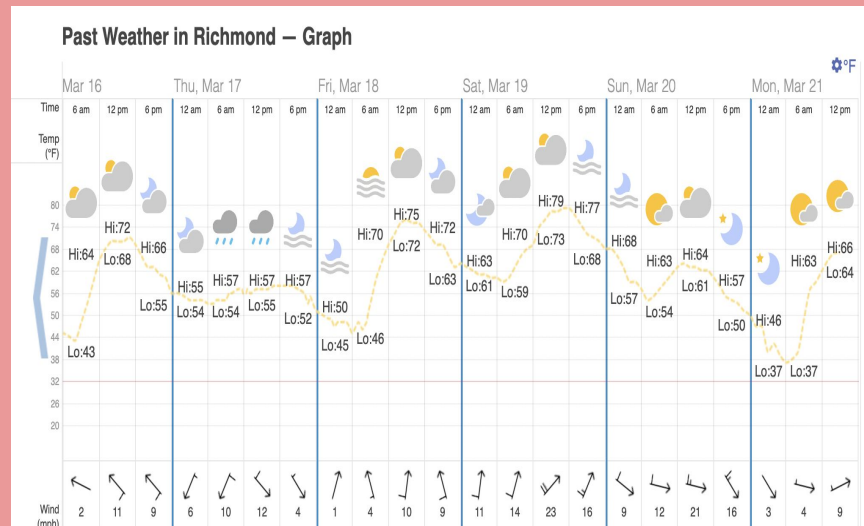
## High & Low Weather Summary for March 2022

	Temperature	Humidity	Pressure
<b>High</b>	80 °F (Mar 7, 1:54 pm)	100% (Mar 9, 9:28 am)	30.59 "Hg (Mar 9, 9:28 am)
<b>Low</b>	21 °F (Mar 13, 7:54 am)	22% (Mar 15, 3:54 pm)	29.34 "Hg (Mar 12, 6:07 am)
<b>Average</b>	51 °F	67%	30.09 "Hg
* Reported Mar 1 12:54 am — Mar 19 6:54 pm, The Row. Weather by CustomWeather, © 2022			





The difference in temperature from past and future predictions of what the weather will be like in Richmond, Virginia.



Past week of temperatures in Richmond, Virginia

# Full Statement

Climate change is produced by rising quantities of greenhouse gases in the atmosphere and can have an influence on how Richmonders live by generating unpredictable weather and repercussions such as bodily injury and sickness, property damage and loss, and so on... Temperatures are projected to rise as a result of climate change. Climate change is a critical issue that can be mitigated by conserving energy, reducing, reusing, repairing and recycling, and changing your home's energy source.

3) 3 Rough Sketches

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Reducing  
climate  
change!

① Eco  
Thermostat

1999

Printed on demand

*Supra*

→ Savings

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10

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4

5

23

4

50

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Turn back your  
pages of the action.  
Turn back when the over  
the... turn due more to  
over the... turning for

ECG will automatically be set to the recommended temperature for heat and cool. Consumers will be alerted when the government recommended setting.

② Snapping  
egg with  
bottle

Stainless steel (or)  
Recycled glass

Revised  
Version

freedom  
dog

← Random Pattern

⑤ Pseudobulb

Recycled  
Box

Recycled  
Paper  
covered

## REUSABLE SOX

Reusable  
box to carry  
on the go  
for you can't  
reaple or  
want something  
to hold items

## Works Cited

<https://www.rva.gov/sustainability/climate-change>

<https://www.timeanddate.com/>

<https://climate.nasa.gov/evidence/>

<https://www.un.org/en/actnow/ten-actions#unplug>