



What are:



DROUGHTS?



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Background Information

A drought is where a certain place's water levels/supply decreases, which happens worldwide even in the US. Droughts are caused by a lack of rainfall which is months to years.



Lesson goals



First goal

Teach you guys about droughts and how they affect the world. Ex) On Saturday in Philly, the temp. will be around 80 degrees in late October. This is atypical for the North-Eastern area of the U.S.



Second goal

We also wanted to include an example of a country that has been severely affected by droughts for years. This country is Somalia!

How droughts affect the four Earth systems

Hydrosphere:
The Hydrosphere is affected by the decreasing water levels.

Biosphere
The biosphere is affected by the loss of plant growth, an increase in wildfires and insect outbreaks.

Geosphere:
Geosphere is affected by how dry it gets because of the decreasing water levels.

Atmosphere
The atmosphere is affected by the rising levels of ozone and altered levels of carbon dioxide.

Solutions

1

Solution 1

Install water-efficient irrigation devices. This will help because it allows soil to absorb the water and avoid runoff.

2

Solution 2

Plant drought-resistant crops. This can help communities to be more resilient to future droughts.

3

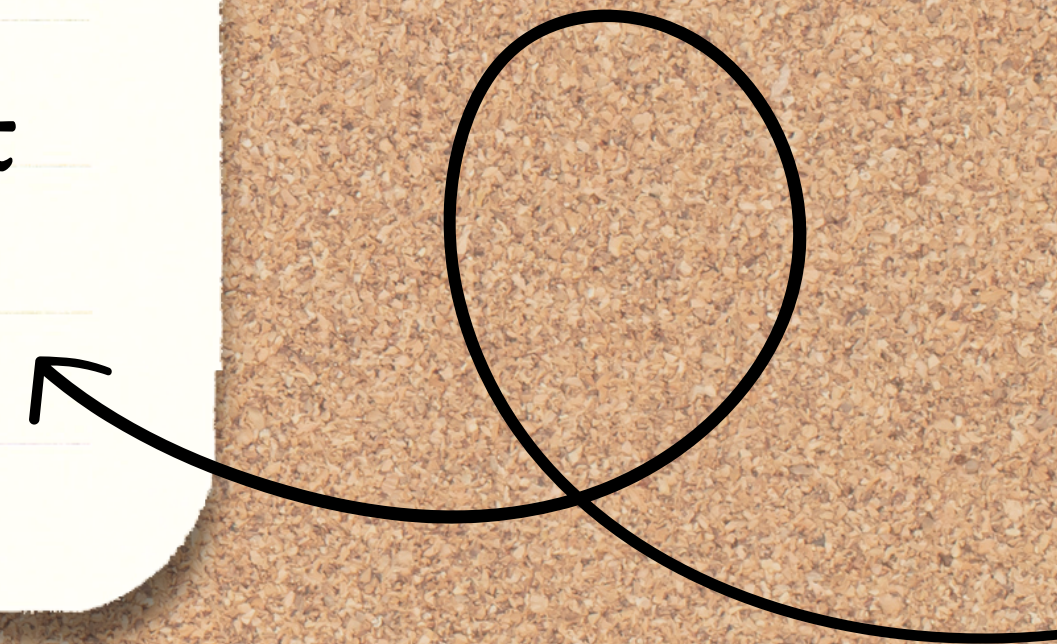
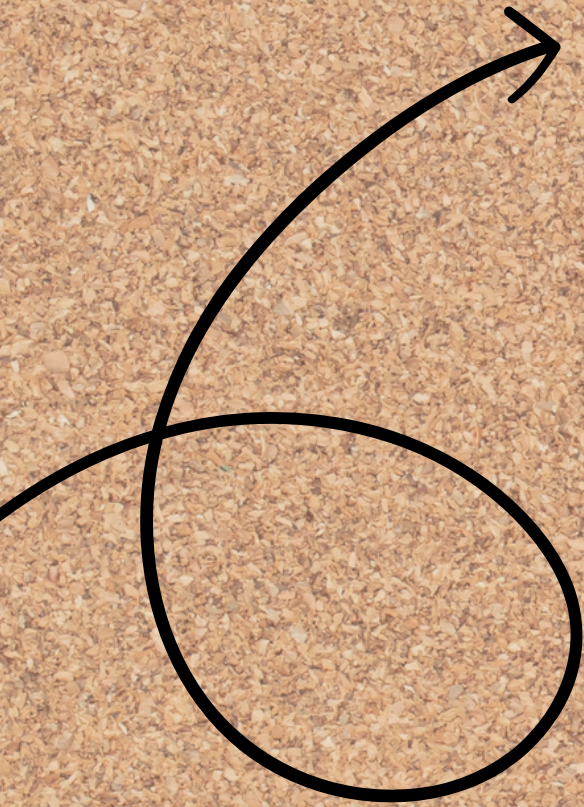
Solution 3

Recycle more water instead of just throwing it away.



Conclusion

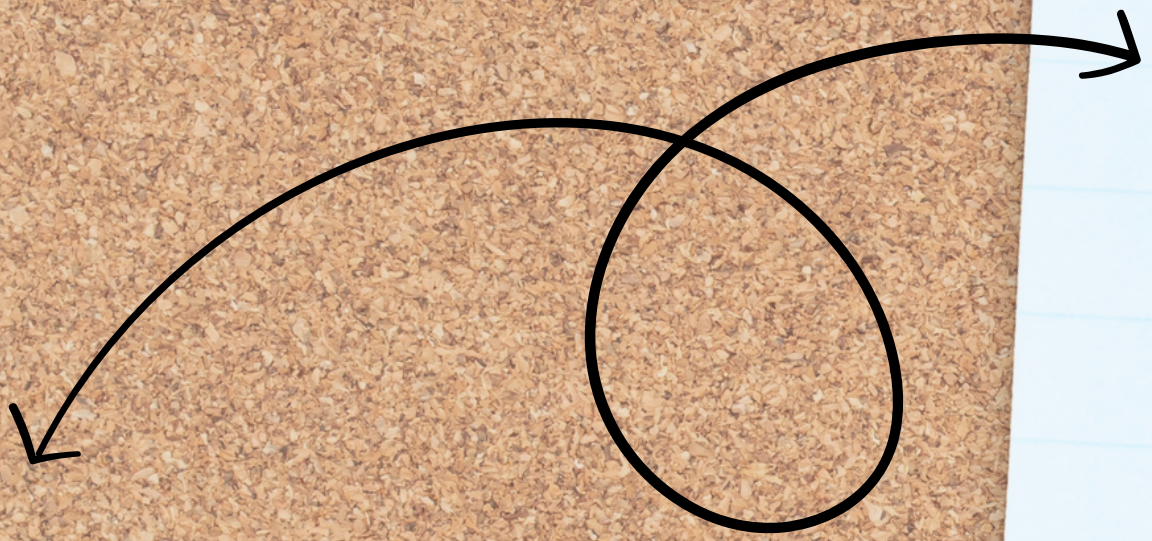
While we know droughts are very dangerous and scary. That is just surface level. They can affect jobs, housing, local businesses, industrial businesses, healthcare, food supply, water supply, and just overall livelihood. We need to think more about the small decisions that we make that continuously affect generations to come.





Thanks!

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Poster!

Especial Edition

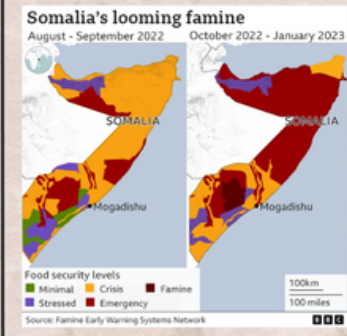
BREAKING NEWS



SOMALIA'S DROUGHT CRISIS

"It is a country known for its arid and semi-arid climate, which makes it prone to droughts." Somalia is vulnerable to droughts because it is a country that is kind of like California, where they barely get rain, so when it does rain, it pours and messes with their home. The lack of rainfall has created a decrease in water quality, and an increase in waterborne illnesses, which can really kill people if it hasn't already. Areas that are typically consumed with water would dry up and would end up ruining the functioning water cycle. There's also no water to produce wood or even charcoal, which are commonly used for cooking and staying warm. Deforestation has also occurred, and we know that when that happens more CO2 gets released into the air, which can also produce a lot of problems. Lack of Rainfall has impacted the wildlife's need for food and water, which really ended up killing them. The most vulnerable have been affected the most by the drought in Somalia, which would include women, children, and farmers or "labor workers". Women in children would be in charge of getting water or wood using long walking distances, and due to the lack of production, they are pretty much out of a job and produce for their own families. Due to the scarcity of produce, inflation would arise, literally killing the Somalian people even more. As kind of predicted the Somalian economy would begin to decline a lot, which is what happens in a lot of countries when major disasters occur. But in the end, they have received some aid and were able to repair a lot of the damages that happened. Lack of rainfall has also, stunted the growth of farmer's produce, which would leave them without jobs. Many industrial companies would be forced to shut down due to , the rain causing so many power outages. Organizations that specialize in helping the less fortunate would aid them in whatever they could provide (food, water, medicine, etc.) There have also been water irrigation systems, as well as drought-resistant crops, put in place to minimize the damages of droughts. There has been a project introducing, drought-resistant crops, as well as water irrigation systems that could prevent future droughts from happening.

DID YOU KNOW?
SOMALIA'S DROUGHT HAS BEEN OCCURING SINCE 2015. THIS DROUGHT HAS BEEN THE WORST IN ITS ENTIRE HISTORY.



HEALTH RISK HAVE INCREASED SIGNIFICANTLY!

Somalia is located in the horn of Africa.



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