

EPSOM GLOBE

MICHAELMAS TERM 2022

1ST EDITION

Welcome to the first edition of the *EPSOM GLOBE* aimed to focus on topical environmental issues around the world. Due to the extreme weather events that have taken place this summer, it was only right to base the first edition on the recent droughts and limited water supply we have encountered.

WATER SUPPLY

OUR DAILY WATER USAGE :

Drinking Water



Watering
Plants and Gardens



Showering and
Bathing






HOW WILL THIS CHANGE WITH GLOBAL WARMING:

68% of fresh water comes from icecaps and glaciers. An increase in temperature will melt these glaciers causing them to shrink limiting the amount of water that flows downwards away from the glacier. This results in a shortage of fresh drinking water for farms, villages and cities.

Climate change results in plants requiring more water. During droughts, which is becoming more common, there will not be enough supply of water - causing destruction of nature.

As global warming limits water supply, there will be a decrease in water reserves for our own daily cleaning. Warm showers and baths will become less common and we will need to start learning how to ration our water usage.

WHAT HAS THIS SUMMER'S DROUGHT LEAD TO?

-  Due to the summer's drought, there has been loss of habitats and animal livelihood.
-  As there is a lack of water, land and grass have dried, meaning that cattle have not had enough food to survive - limiting the availability of beef.
-  Forest fires have increased in areas of Europe due to grass drying out - causing land to be more flammable.



STATS AND FACTS

1. This year has been driest July since 1935.
2. This July, England had only 35% of its average rainfall for a month.
3. The UK received temperatures of 40°C this year for the first time in history.
4. In 2020, we were 9% wetter than in 1990.
5. Due to increasing anthropogenic activities such as burning fossil fuels, we have warmed the average climate by over 1°C.

****This demonstrates extreme weather patterns****

WHAT CAN WE DO TO HELP?

1. Use less hot water to reduce the amount of carbon released into the atmosphere.
2. Take shorter showers, even by a few minutes, to save water as well as reduce the amount of time hot water is running
3. Take showers instead of baths as it uses less water.
4. When washing your hands, do not use maximum pressure as it waste water when you can get the same results when using less water.
5. As you run tap water for a change in temperature, for instance making it cooler to drink, save the water wasted in a bowl. Then use this water for for another use such as to water your plants.

Especially in times of drought, which is becoming more common, we need to save water as there are so many reasons we need it.

THE HOSEPIPE BAN

- This year's hosepipe ban was put in place by Thames Water due to dry weather that has taken place (droughts).
- Because of low water supply becoming more of an issue after these events occurred, there is a higher need to save water.
- This ban states that people must not use a hosepipe that is connected to the water supply mains.



ABOUT ROOTS & SHOOTS

Roots & Shoots, founded by Dr Jane Goodall, is a programme aimed towards people of youth networking over 60 countries. This programme focuses on the goal to connect younger generations in order to make a positive change for our planet. Roots & Shoots holds projects throughout the year to inspire and make a difference.

www.rootsnshoots.org.uk

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