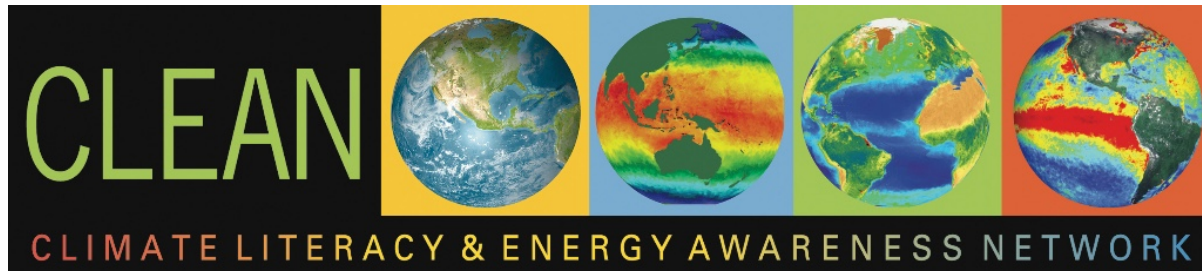
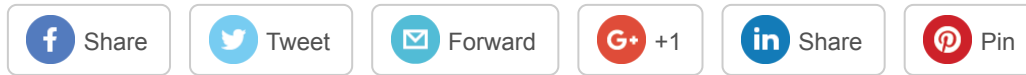


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[Drought: Identifying Impacts and Evaluating Solutions](#) | [Assessing Drought in the United States](#) | [Historic drought deepens in the West as window for rain, snow closes](#) | [CLEAN Testimonials](#)

CLEAN STEM Flash

A Timely Climate and Energy E-Learning Series to Use and Share

March 30th, 2021

Topic: Drought

It's winter time and the West is still in a drought. Drought can have widespread affects for everyone, even if they do not live in the affected area. As spring begins and the snowmelt commences the concern about drought remains. In this newsletter, you will find two resources on drought: 1) an activity that incorporates videos and exercises for students to learn what drought is and how communities have faced drought and 2) an introductory video that establishes the concept of drought, the different drought categories, and the drought monitor house at the University of Nebraska. We have also included an article that describes the 2020-2021 drought and the factors that have led to this moment. Lastly, we want to hear from YOU! We are calling on our subscribers to share what they value in CLEAN.

CLEAN Resource Feature

Activity: [Drought: Identifying Impacts and Evaluating Solutions](#)

In these activities, students learn about the different drought characterizations and causes of drought based on both climate patterns and human interaction with the environment. The lesson discusses solutions to drought that are being explored and how these solutions are connected to different drought characterizations.

Audience: Middle School, High School, College Lower

Browse CLEAN for more activities on [Drought](#).

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job of incorporating state-of-the-art science into the lesson plan, including the use of data from NOAA. The case studies allow for students to see the effect drought has on communities, with the extension activity providing a venue to explore drought patterns and connections to climate in their own community.

CLEAN Resource Feature

Video: [Assessing Drought in the United States](#)

This easy-to-understand video animation describes drought and explains the different categories of drought used by the drought monitor. The animation provides a basic overview of statistics and percentiles and the concept of '100 year events.'

Audience: Middle School, High School, College Lower, General Public

Take a look at some more CLEAN videos focused on [Drought](#).

The video discusses the effects of and contributions to drought, what the implications of the different drought levels are, and puts the drought maps into context to understand how the impacts vary geographically (e.g. drought in Nevada vs Kansas - one could affect tourism, the other agriculture). It also touches on how the development of maps/drought severity is determined and how it might vary geographically.



In the News: [Historic drought deepens in the West as window for rain,](#)

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with the conclusion, that we are in the midst of a severe drought and it is not likely to improve. As the story progresses it discusses the factors that have led up to this point. The year 2020 started as a dry year with below average snowfall and a fast melt season. The summer was hot and dry which left the soil moisture low before fall set in. The soil moisture is a large factor for the oncoming winter, the drier it is when cold temperatures set in then the more melt will be needed to replenish the soil moisture before it can go downstream. That is what happened in fall 2020. Now, most of the way through the winter, snowpack in many regions is below average, indicating another year of a severe drought.



CLEAN Testimonials

We want to know how CLEAN has served you!

Please share with us how you are making use of CLEAN in your classroom or your work.

CLEAN would like to hear from you personally. Can you share with us how you are using CLEAN - in your classroom or in other ways? In what ways does CLEAN provide support or makes your life easier? Is there a favorite resource you go to time and again? Is there a teaching guidance page that has offered help in your own learning? Do you particularly enjoy the newsletters, teleconference calls, or webinars? Please take a moment to share with us through a short video or written testimonial!

Please follow [this link](#) to our survey where you can upload a short video or write about your experience.

The first 50 submissions that describe the use of CLEAN in action will receive a \$5 Amazon gift card.

Thank you for your support and participation in strengthening the work that CLEAN does!

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