



Kern County Water Agency

3rd Grade Water Education WebQuest

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(State Standards & Water Education Links)



Overview

This Water Education WebQuest was designed to help 3rd grade students in Kern County develop a better understanding of local and state water supplies, and the importance of water for the people of California.

The following objective will be covered in the WebQuest:

Students will learn how to write a formal letter by composing a letter to the Kern County Water Agency using information found on the internet.





Introduction

Water...

Water is essential to all life. In fact, we use water everyday. We use it to brush our teeth, to shower and to quench our thirst. Farmers use it to grow the foods that we all enjoy, boaters use it to ski, manufacturers use it to make things and some animals even live in water.

When you turn on the water to brush your teeth, have you ever wondered where that water came from? That is what you are going to explore using this WebQuest. After you have completed all the Internet research, you are going to know about the following:

- The different steps in the water cycle.
- Where Kern County gets its water.
- The drought that California is experiencing.
- The part you can play in water conservation.





Task

Today you are going to write a formal letter to the Board of Directors of the Kern County Water Agency. You are going to show them how knowledgeable you are about the water in the town where you live and how you can play a part in water conservation.

In order to start your letter, you need to complete the following missions:

Mission #1: Learn about the water cycle.

Mission #2: Learn about the water sources in Kern County.

Mission #3: Learn about the current drought and water conservation.



Print the Water WebQuest Worksheet by clicking ([here](#)) and use it to help you with your Internet research.

Final Task: Once you have done all your research, you are ready to write your letter.



Mission #1 – Internet Research

Mission #1: Learn about the water cycle.

Use the following Internet links to help answer the questions for Mission #1 on the Water WebQuest Worksheet.

The Science of Water links:

[Water Education Foundation](#)

[Build Your Own Water Cycle](#)

[Kid Zone Water Cycle](#)

[Follow a Drop Through the Water Cycle](#)





Mission #2 – Internet Research

Mission #2: Learn about the water supplies in Kern County.

Use the following Internet links to help answer the questions for Mission #2 on the Water WebQuest Worksheet.

Kern County Water Supply Links:

[Water Education Foundation](#)

[State Water Project](#)

[What is Groundwater?](#)

[Groundwater Video](#)





Mission #3 – Internet Research

Mission #3: Learn about the California drought and water conservation.

Use the following Internet links to help answer the questions for Mission #3 on the Water WebQuest Worksheet.

California Drought Links:

[California Drought](#)

[Water Education Foundation](#)

[Water Trivia](#)

[Save Our Water](#)





Final Task

Now that you have learned all about the water of Kern County, your final task is to compose a formal letter to the Board of Directors at the Kern County Water Agency. Use the following Formal Letter Format to write a letter, using the knowledge gained from your Internet research.

The Kern County Water Agency is committed to educating the community about the local water supplies, and that starts with you! They would like to hear what you have learned from the Water Education WebQuest.

Please mail letters to:
Kern County Water Agency
P.O. Box 58
Bakersfield, CA 93302
Attn: Water Education Department

Formal Letter Format

Your Name
Class/School
Address

Kern County Water Agency
Board of Directors
P.O. Box 58
Bakersfield, CA 93302

Date

Dear Board Members:

First Paragraph: Explain the water cycle.

Second Paragraph: Describe at least two water sources in Kern County.

Third Paragraph: Tell about the drought and how you can save water at home.

Sincerely,
Signature



Teacher Resources

3rd Grade California State Standards Covered in WebQuest

2.0 Writing Applications - Students write compositions that describe and explain familiar objects, events, and experiences. Student writing demonstrates a command of standard American English and the drafting, research and organizational strategies outlined. **2.3 Write formal letters:** **a.** Show awareness of the knowledge and interests of the audience and establish a purpose and context. **b.** Include the date, proper salutation, body, closing, and signature.

Water Education Links for Teachers

[Kern County Water Agency](#)

[Water Education Foundation School Programs](#)

[Project WET](#)

[California Water Awareness Campaign-Free Teacher Materials](#)