

Weather Adventures!

WebQuest Description: This WebQuest will be used to guide kindergarten students through a series of external links and tasks, in order to help them understand weather patterns. This WebQuest page will begin with an appealing introduction in order to gain the student's interests, and will then walk them through a series of tasks that will provide fun activities for them to do. After the tasks are finished, the students will complete an evaluation to see how much new information they have learned.

Grade Level: K-2

Curriculum: Science

Keywords: weather, children's activities, children's science, kindergarten science, kindergarten weather, kindergarten science projects, kindergarten weather activities, kindergarten science standards, kindergarten lesson plans

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Introduction

Are you ready to go on an exciting weather adventure? Grab your umbrella's and raincoats, because we're about to explore the patterns of the weather!

Tasks

After you are finished, you should be able to tell your friends all about the different kinds of weather that there are! You can show your friends what the weather looks like too, by telling them when you're outside. Next, you can tell your parents if you think you will need your coat in the morning, by going outside and feeling if it is cold or warm. You can guess every day what you think the weather will be like in the morning, by thinking about how the weather was the day before! You're going to be a real weather whiz kid!

Process

Welcome to your weather adventure! Get ready to make a splash and learn about what the weather is, and how it works! You can do this activity alone, or you can pick an adventure buddy to do it with you! Have fun!

Step One: First, look outside and see what it looks like! Is it raining, or is it sunny? Draw a picture of what it looks like, and then keep the picture with you for the rest of the adventure! Next, click on the link that says Weather Video, and watch the YouTube video! It will tell you about all of the different types of weather!

Step Two: After you are done watching the video, click on the link that says Rain Coloring Page and print the coloring page! Color it in, and read the bottom of the page. It will tell you how rain is made!

Step Three: After you are done coloring, click on the link that says All Kinds Of Weather, and watch the YouTube video about how the weather changes our world! This video will help you do the next activity.

Step Four: Next, click on the link that says Weather Quiz Game, and play the game! Read the question that is on the screen, and click the answer that matches! You can watch the All Kinds of Weather video again to help you find the answers. This game is a bit hard, so you can re-watch the video more than once to find the answers!

Step Five: Take a Break and look outside! Did the weather change from the first time you looked outside? Draw a picture of what the weather looks like now! Look at the picture you just made, and look at the picture that you made when you started your adventure. Has the weather changed at all? Next, write down "yes" if it changed, and "no" if it didn't.

STRETCHING TIME! Before you come back to the computer, stretch your arms up high to the sun, and down low to the ground!! Wiggle your arms like a windstorm, and twirl in a circle like a tornado! When you're done, sit back down at the computer and finish your adventure!

Step Six: Click on the link that says Weather Poem, and read the poem about how weather makes a storm! You'll learn what storms do, and what the weather is like when the storm starts and ends!

Step Seven: Now that you have learned about storms, click on the link that says Cloud Fun, and play the game about the clouds! This game will show you how clouds are all different shapes, and how they can float in the sky! To start the game, click on the green button, and drag the clouds into the sky! Look at how all of the clouds are shaped differently, and how they float! When you are finished putting your clouds in the sky, think about why they are there. What do the clouds do? What comes from a cloud? Write down your answers or tell them to a friend.

Step Eight: Next, click on the link that says Weather Book, and read the story! This book will show you what to wear for all of the different types of weather! This book will help you tell your parents what you should wear each day, and is another exciting step on our weather journey!

Step Nine: After you are done reading the book, click on the link that says The Cat in the Hat, and play the weather game! You can play the game by clicking on the weather buttons at the bottom of the screen! This will show you what the temperature feels like when there are different types of weather! What is the temperature like when it is sunny outside? Does it feel hot or cold? What is the temperature like when it is snowing outside? Does it feel different then when it is sunny? Write your answers down or tell them to a friend!

Step Ten: Now, let's see what you remember! Click on the link that says Weather Worksheet, and print it out. Draw a line to connect the types of clothes that you would wear with the type of weather that there is. Remember, pick the clothes that will make you feel warm on cold days and cool on hot days!

Step Eleven: One more game! This is the last stop on your weather adventure! Click on the link that says Snow and Ice, and play the game! This game will quiz you on some of the weather facts you've learned on your adventure!

Evaluation

Click on the link that says Weather Evaluation, and complete the worksheet! Have fun and try your best! Let's see what you can remember from your weather adventure! Weather Evaluation: 4- I can match all of the pictures correctly. 3- I can match two of the pictures correctly. 2- I can match one of the pictures correctly. 1- I can't match any of the pictures correctly. After you have finished your weather worksheet, create a poster about what you have learned on your adventure! You can click on the link that says Weather Poster, to see a fun example! On your weather poster, save a space to write down what time of day the weather is the coolest, and to draw a picture of your favorite type of weather! After you have finished your poster, tell a friend or teacher what the weather is like outside! Weather Poster: 4- I can answer when the weather is the coolest, and I can explain the weather outside! I can also draw my favorite weather. 3- I can answer one of the questions correctly, and I can draw my favorite weather. 2- I can't answer either of the questions correctly, but I can draw a picture of my favorite weather. 1- I can't answer either of the questions correctly, and I can't draw a picture of my favorite type of weather.

Category and Score	Not Understood	Beginning to Understand	Very Good	Exemplary	Score
Can match the picture of the appropriate clothes to the picture of the weather.					
Can identify that the weather is cooler at the beginning of the day.					
Can identify what weather patterns are occurring by looking outside.					
Can tell another person what the weather is like outside.					
				Total Score	

Conclusion

Congratulations!!! You've made it to the end of the adventure!! I hope you had fun learning about the different kinds of weather that there are, what the weather looks like, and when it is the coolest outside! You've done a great job on this adventure! Think about what the weather is like during different times of the year, and how it changes during the seasons! For our next project, think about what you think a season is, and which one would be your favorite! Thanks for going on this weather adventure!

Teacher Page

Standards

Credits

Other