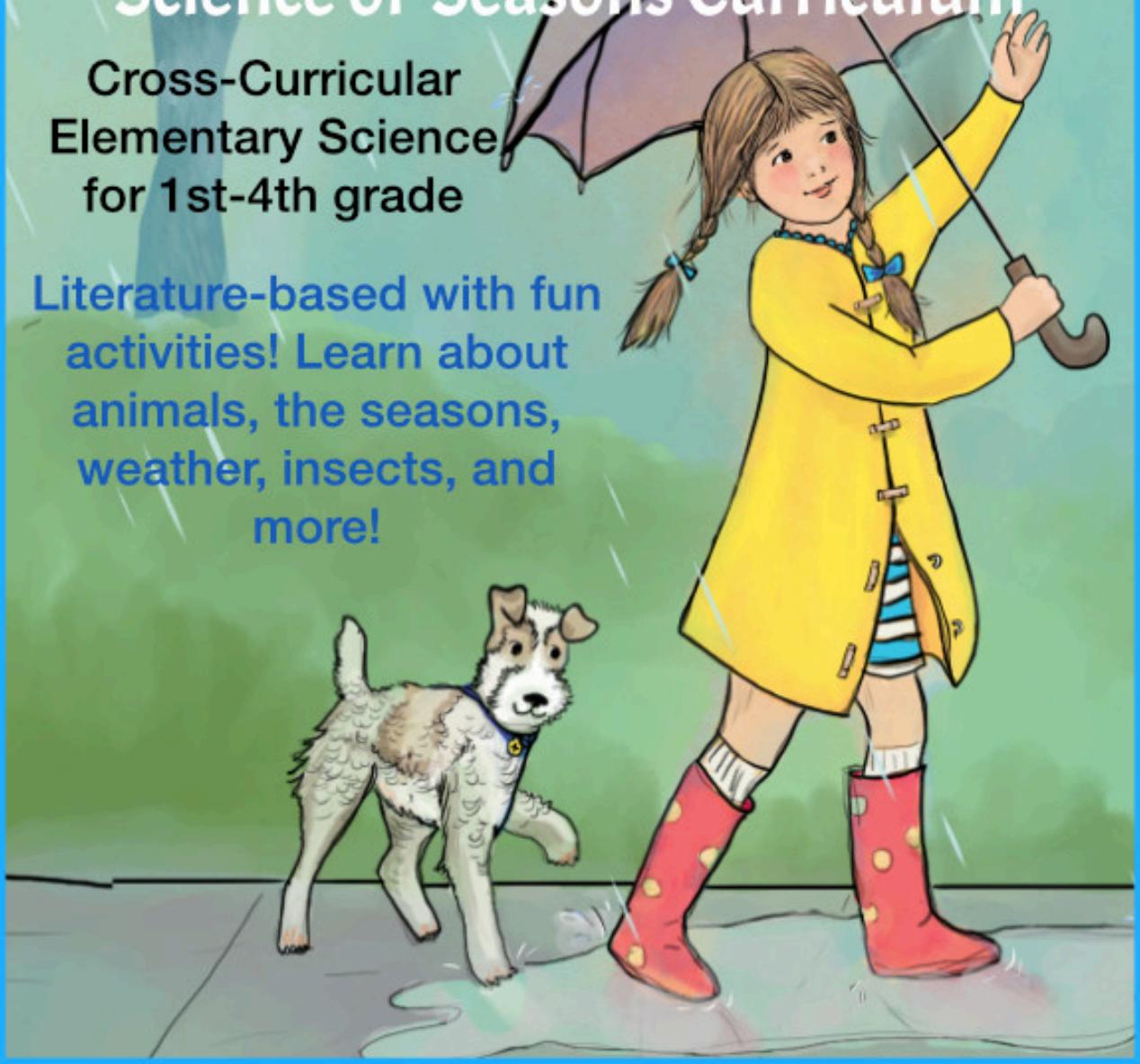


Guest Hollow's

Science of Seasons Curriculum

Cross-Curricular
Elementary Science
for 1st-4th grade

Literature-based with fun
activities! Learn about
animals, the seasons,
weather, insects, and
more!



<p>Week 1</p> <p>Bible: The seasons</p> <p>Language Arts: Quotation marks, writing comics with dialogue, copywork</p> <p>Science: Making a science journal, Reading through <i>The Science of the Seasons</i></p>					
Resources	Day 1	Day 2	Day 3	Day 4	Day 5
<u>The Science of Seasons</u>	Read <u>The Science of Seasons</u> p. 1-14 Note: Younger children may need you to read the book aloud to them as scheduled. Older children can read the book in one sitting by themselves.	p. 15-28	p. 29-36	p. 37-44	
<u>The Science of Seasons Activities book</u>	p. 1 Fill out your name! p. 2 Make Your Own Comics quotation marks p. 4 Fill in the speech bubbles	p. 3 Cut out the shapes p. 6 Make your own comic Assign the other comic templates as desired.	p. 13-19 Cut out & construct the schoolroom playset, playset figures and first set of clothes. Option: Keep them set up in a schoolroom area.		p. 21 Copywork
<u>Explore Spring: 25 Great Ways to Learn About Spring</u>	Read Introduction				Make the science journal. Supplies: 10 pieces 8 1/2 by 14-inch white paper, large brown grocery bag, ruler, scissors, 2 pieces of cardboard (cereal box), 2 pieces colored paper like wrapping paper 6x8 inches, markers, colored pencils, stickers, hole punch, 3 brads or 3 rubber bands
Printables	<u>Quotation marks worksheet</u>	<u>Macaroni quotation</u>			

	Requires a free Teachers Pay Teachers account.	<u>marks worksheet</u> Supplies: elbow macaroni			
Other books	<u>If You Were Quotation Marks (Word Fun)</u>		<u>Art for Kids: Comic Strips: Create Your Own Comic Strips from Start to Finish</u>		
Online		YouTube: Bill Nye The Science Guy Season 1 Episode 15 <u>Earth's Seasons</u>		<u>Make your own comic online</u> *This is a fun activity, but it's important for kids to do the one on paper as well to fire up different parts of the brain that are used for writing things by hand vs. typing or doing them online!	<u>Bible lesson for older kids about the seasons</u> <u>Bible lesson for younger kids about the seasons</u>
<p>Notes:</p> <p>If you have the PDF version of the <i>The Science of Seasons Activities</i> book, you will want a notebook to keep your child's activity pages together. We always used <u>plastic sheet protectors</u> in our notebooks. We would put 2 pages in each plastic protector with the backs of the pages facing each other. At the end of our study, we had a nice "scrapbook" to look over and show family members!</p> <p>Softcover users will want a notebook to store all of the cutout pages.</p> <p>Day2: You will be starting the <u>Explore Spring</u> book today. It is scheduled over the entire 13 weeks and covers a variety of topics. Even though the title says "Explore Spring", most of the experiments and activities can be done year round and basic science concepts are covered.</p> <p>Day 5: You can just use a composition book for your child's science notebook. Don't just limit it to the activities in the Exploring Spring book. Encourage your child to record any type of science observations in his book. A special incentive would be to provide a new box of colored pencils. I recommend <u>Prismacolors</u> for the quality. They are so much nicer for children to use than typical cheap school quality colored pencils.</p>					

<p>Week 2</p> <p>Art: Sun paper prints</p> <p>Bible: The Day the Sun Stood Still</p> <p>Greek & Latin roots: equinox, vernal, perihelion, aphelion, solstice, latitude, migrate, hibernate</p> <p>Language arts: spelling "ph" words, writing a report, writing lapbook information</p> <p>Science: The sun, stars, what causes day and night, tilt of the earth</p>					
Resources	Day 1	Day 2	Day 3	Day 4	Day 5
<u>The Science of Seasons</u>	p. 5 (Review this page for today's activities.)	p. 6 (Review this page to lead into today's activity)	p. 7 (Use to write the report about the sun)		
<u>The Science of Seasons Activities book</u>	p. 10-11 Seasons cootie catcher - Use the storybook to find the answers!	p. 22-26 Greek & Latin Root Cards Cut out and store in a plastic zipper storage bag. Learn: equinox, vernal p. 27-28 Abigail's Spelling Lesson	Greek & Latin Root Cards: Learn perihelion, aphelion	Greek & Latin Root Cards: Learn solstice, latitude p. 29 My Report on the Sun - Feel free to allow your child to research more facts about the sun.	Greek & Latin Root Cards: Learn migrate, hibernate Play the memory game!
<u>Explore Spring</u>		Exploring Spring - Read: Chapter 1 The Sun Makes the Seasons *Skip the flashlight activity. You will be doing it later via <i>The Science of Seasons Activities</i> book. Activity: Making Some Sense of the Spin Supplies: orange, black marker, 2 thumbtacks or stickers of different colors, 2 toothpicks, large bowl			
<u>Miracles on Maple Hill</u>	Chapter 1	Chapter 2	Chapter 3	Chapter 4	Chapter 5

Printables	<p><u>Sun, moon, stars lapbook:</u> Significance of the sun tabbed booklet <u>All in a Day's Work</u> (What causes day and night?) Requires free registration to access.</p>	<p><u>More ph worksheets</u></p> <p><u>Sun, moon, stars lapbook:</u> Sun layers booklet</p>	<p><u>Color your own book about the sun.</u> (NASA)</p> <p><u>Sun, moon, stars lapbook:</u> Sun facts petal fold</p>	<p><u>Sun, moon, stars lapbook:</u> Five sizes of stars (Which size is our sun?)</p> <p><u>Parts of the sun full-color worksheet</u></p>	<p><u>Sun, moon, stars lapbook:</u> Shining stars (Reinforce that our sun is a star among billions of other stars!)</p> <p><u>Make a sundial printable</u> <u>A more kid-friendly sundial printable</u> Optional: <u>Purchase a real sundial and put it in your yard.</u></p>
Other books	<u>Why Do Elephants Need the Sun?</u>		<u>The Sun</u>		<p><u>Come See the Earth Turn</u> *Note: This book is only available used.</p>
Online	<u>Video: NASA's Solar Dynamics Observatory</u> - See real & amazing videos of the sun		<p>YouTube: <u>Dark Secrets of the Sun</u> (Nova)</p>		<p><u>The Day the Sun Stood Still Bible lesson</u> (Adapt for home use.)</p>
				<u>Sun Art Paper Kit</u> -	
<p>Notes:</p> <p>Day 2:</p> <p>These Latin & Greek root words are also featured in the vocabulary cards: latitude, perihelion, aphelion, solstice, equinox, and vernal. Your child will learn the ROOTS first. When it's time to learn the vocabulary words, it should be easier, as s/he will know the foundations of these words!</p> <p>It's easiest to learn a couple of new cards each day. Review the old cards each day while learning the new ones. Some children may need more time to memorize the meanings. Schedule out the cards to match your child's learning speed.</p> <p>Day 2: These are some tough words to spell, especially for younger children. Go over the spelling strategies and show your child how to break the words down into smaller pieces to memorize. It's optional to test your child on these words. I recommend encouraging him to go ahead and try to learn them as a challenge. Show him that he can attack tough challenges and actually get the job done! Sometimes learning is hard work, but kids are often up for more than we think they are. ;-)</p> <p>If you want to test these words and are working with a younger child, allow more time to study and learn them. Provide assistance as necessary and try testing words throughout the day in a fun way like calling out a word before you hand over lunch and so on.</p>					