



## ACTIVITY 9

### *Seasons on the Ranch*



***RANCH LIFE SERIES / BOOK 1 / RANCHING AND LIVESTOCK***

Chapter 7

**Content Area**

Science & Social Studies

**Topic**

Seasons

**Objective**

Students will identify how seasons effect ranch activities, vegetation, daylight patterns & weather patterns.

Students will identify how seasons effect work, resources & economic needs.

**Texas Essential Knowledge and Skills (TEKS):**

Science: 4.9A; Social Studies: K.3A, 1.3B, 1.6C, 2.2C, 2.7A, 3.4A, 4.9A, 5.9A





## Seasons on the Ranch

**CONTENT AREA:** Science & Social Studies

**TOPIC:** Seasons

### ACTIVITY MATERIALS:

- SECURITY BRIEFING (pages A9-2 & 3): 1 per student or student group
- SEASONS ON THE RANCH - FOLDABLES #1-4 (pages A9-4 thru A9-7): 1 set per student or student group plus a teacher's example copy
- Blue, pink, yellow and orange copy paper
- Scissors
- Pen or pencil
- Glue stick
- THE BOTTOM LINE (page A9-8): 1 per student or student group

### READING STRATEGY:

Students will read Chapter 7 (pages 43-76) as they record seasonal information onto the foldable graphic organizer.

### ACTIVITY INSTRUCTIONS:

#### BUILD FOLDABLE:

1. Copy/print SEASONS ON THE RANCH - FOLDABLES on its designated color of paper.
2. With the scissors, cut each piece of colored paper on the horizontal line that runs underneath each season name. Each sheet will now vary in length .5" from each other.
3. Using a glue stick, glue the top of the SUMMER sheet to the top of the FALL sheet (about 1" of glue at top), the SPRING (pink) sheet to the top of the SUMMER (yellow) sheet, and the WINTER (blue) sheet to the top of the SPRING (yellow) sheet.
4. Once all season sheets have been glued together at top, cut through all four sheets of paper on the dotted line in between the season names up to the end of the line at the top of the paper. The finished foldable graphic organizer will "stair step" from shortest sheet of paper to the longest sheet, with the seasons reading in the following order at the bottom: WINTER, SPRING, SUMMER, FALL.

#### ACTIVITY:

Students will record seasonal information on the SEASONS ON THE RANCH - FOLDABLE graphic organizer, referencing Chapter 7 as they work. Information will be recorded as follows:

1. Left Side of Flaps (SCIENCE): Ranch activities, vegetation changes, daylight patterns, weather patterns for that season
2. Right Side of Flaps (SOCIAL STUDIES): Most important ranch workers, resources needed, economic needs
3. Back Side of Flaps (SEASONAL PROBLEMS): At least one problem each season poses to Hank, the Head of Ranch Security

### STUDENT SKILLS ASSESSMENT:

- Have students (or student groups) complete THE BOTTOM LINE worksheet at the end of the activity.

# Seasons on the Ranch



## SECURITY BRIEFING –

### WORDS OF WISDOM FROM HANK THE COWDOG:

You might have realized by now the ranch is a very busy place, but our jobs change according to the **seasons**.

As the Head of Ranch Security, I take it upon myself to make sure everyone knows what **season** it is. I don't have a calendar to tell me when the seasons change from **fall** to **winter** or **spring** to **summer**. I have to use clues to help me figure it out. This might seem like a big job and I am not going to tell you it is easy, but with my high intelligence I am able to keep it straight and help Loper keep up with his ranch chores.

During this activity, you are going to be my Ranch Deputy and help me sniff out the clues in Chapter 7 that are clear signs that a **season** is changing.

### ACTIVITY PREP - BUILD A FOLDABLE GRAPHIC ORGANIZER:

1. Cut each piece of colored paper on the horizontal line that runs underneath each season name. Each sheet will now vary in length .5" from each other.
2. Using a glue stick, glue the top of the SUMMER sheet to the top of the FALL sheet (about 1" of glue at top), the SPRING (pink) sheet to the top of the SUMMER (yellow) sheet, and the WINTER (blue) sheet to the top of the SPRING (yellow) sheet.
3. Once all season sheets have been glued together at the top, cut through all four sheets of paper on the dotted line in between the season names up to the end of the line at the top of the paper.

The finished SEASONS ON THE RANCH foldable graphic organizer will "stair step" from shortest sheet of paper to the longest sheet, with the seasons reading in the following order at the bottom:

WINTER, SPRING, SUMMER, FALL.

(Your teacher has made an example for you to reference if you get stuck!)



# Seasons on the Ranch



## SECURITY BRIEFING –

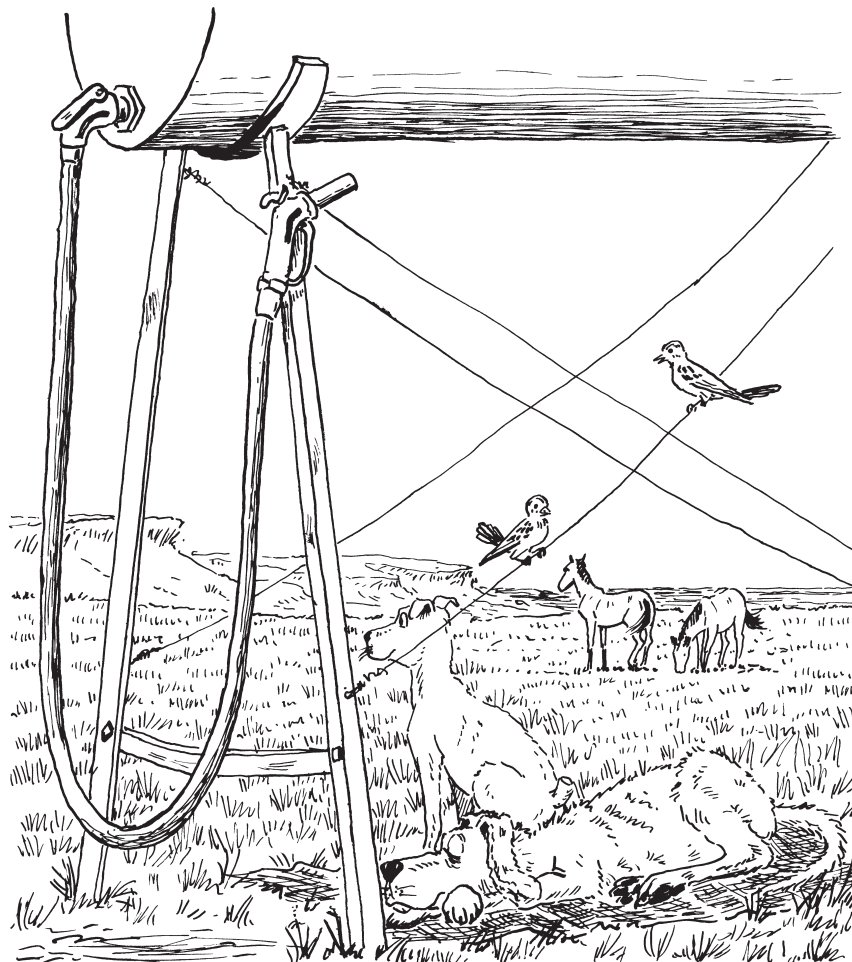
### ACTIVITY INSTRUCTIONS:

As you read Chapter 7, fill out your *SEASONS ON THE RANCH - FOLDABLE* graphic organizer according to the following instructions:

1. **Left Side of Flaps (SCIENCE):** Record ranch activities, vegetation changes, daylight patterns, and weather patterns for that season
2. **Right Side of Flaps (SOCIAL STUDIES):** Record the most important ranch workers, resources needed, and economic needs
3. **Back Side of Flaps (SEASONAL PROBLEMS):** Identify at least one problem each season poses to Hank, the Head of Ranch Security

### WRAP UP:

Fill out *THE BOTTOM LINE* worksheet after you have completed the activity.



# Seasons on the Ranch

## { SCIENCE }

Ranch Activities

Vegetation

Daylight Patterns

Weather Patterns

## { SOCIAL STUDIES }

Ranch Workers

Resources Needed

Economic Needs

W I N T E R

{ **SCIENCE** }

Ranch Activities

Vegetation

Daylight Patterns

Weather Patterns

{ **SOCIAL STUDIES** }

Ranch Workers

Resources Needed

Economic Needs

**S P R I N G**

{ **SCIENCE** }

Ranch Activities

Vegetation

Daylight Patterns

Weather Patterns

{ **SOCIAL STUDIES** }

Ranch Workers

Resources Needed

Economic Needs

**S U M M E R**

{ **SCIENCE** }

Ranch Activities

Vegetation

Daylight Patterns

Weather Patterns

{ **SOCIAL STUDIES** }

Ranch Workers

Resources Needed

Economic Needs

**F A L L**



# Seasons on the Ranch



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## THE BOTTOM LINE

When you read about the seasons you noticed that the nonliving factors (*weather and length of day*) impact ranch activities. Also, as *seasons* changed, so did cowboy responsibilities.

*Answer the questions below:*

1. How did the length of the day impact ranch activities?
2. What organisms are impacted by water on the ranch?
3. How did the weather impact the ranch responsibilities of the cowboys in the:

Winter

Spring

Summer

Fall

4. What economic decisions do Sally May and Loper have to make during the:

Winter

Spring

Summer

Fall

