



ACTIVITY 1

Weather Card Sort



RANCH LIFE SERIES / BOOK 4 / RANCH WEATHER

Chapters 1 -6

Content Area

Science & Social Studies

Topic

Seasons on a Ranch

Objective

Students will categorize images with the season they think it best fits.

Texas Essential Knowledge and Skills (TEKS)

Science TEKS: 2.10B

Social Studies TEKS: K.3A, 1.3B, 1.6C, 2.2C, 2.7A, 3.4A, 4.8C, 5.9A





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CONTENT AREA: Science & Social Studies

TOPIC: Seasons on a Ranch

ACTIVITY MATERIALS:

- SEASONS CARDS (page A1-3): 1 per student or student table group
- SEASON IMAGES (pages A1-4 & A1-5): 1 per student or student table group

READING STRATEGY: Jigsaw

- Each student is assigned to read a different section of the book. Optional reading sections are listed below.
 - Fall: 7 -16
 - Winter: 17-46
 - Spring: 47-62
 - Summer: 63-78
 - Other Weather Events: 79-94
- Students are given a sticky note to make notes on what they feel was the most important information in their assigned reading.

ACTIVITY INSTRUCTIONS:

1. After completing the reading, students share the information on their sticky note with their group
2. Each student or student group needs a set of the SEASONS CARDS and the SEASON IMAGES
3. Students work together to sort the images with the season they think it best fits. The images will include weather events, ranch work, and seasons.
4. Students may complete the BOTTOM LINE handout.

STUDENT SKILLS ASSESSMENT:

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

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SECURITY BRIEFING –

WORDS OF WISDOM FROM HANK THE COWDOG:

It's me again, 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. I am not going to tell you it is easy, but with my high intelligence I am able to keep it straight and help the cowboys keep up with ranch chores.

During this activity, you are going to help me sniff out the clues in these pictures to figure out which season they belong.

ACTIVITY MATERIALS:

- SEASONS CARDS
- SEASON IMAGES
- THE BOTTOM LINE

ACTIVITY INSTRUCTIONS:

1. As you read about the seasons, use a sticky note to write down what you feel was the most important information in your section."
2. After completing the reading, students share the information on their sticky note with their group
3. Each student or student group needs a set of the SEASONS CARDS and the SEASON IMAGES
4. Students work together to sort the images with the season they think it best fits. The images will include weather events, ranch work, and seasons.
5. Students may complete the BOTTOM LINE handout.

WRAP UP:

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



FALL

SEASONS ON A RANCH

Weather Characteristics

- Cooler temperatures and a strong North wind
- Chance of rain
- Shorter days and cooler nights

Work Characteristics

- Weaning of calves from their mothers
- Move calves to the wheat pasture

WINTER

SEASONS ON A RANCH

Weather Characteristics

- Chilly/Cold wind
- Temperature + Wind Speed = Chill Factor
- Snow and possible blizzards
- Ice storms

Work Characteristics

- Use the truck to load and deliver hay to the cows
- Use the tractor to pull the truck out of drifts
- Move cattle or haul water
- Check windmills to make sure they are working

SPRING

SEASONS ON A RANCH

Weather Characteristics

- Weather goes from cold to hot and back to cold
- Windy
- Rain and flooding
- Hail Storms
- Tornadoes

Work Characteristics

- High alert for wind and prairie fires
- Repairing fences and windmills
- Branding baby calves

SUMMER

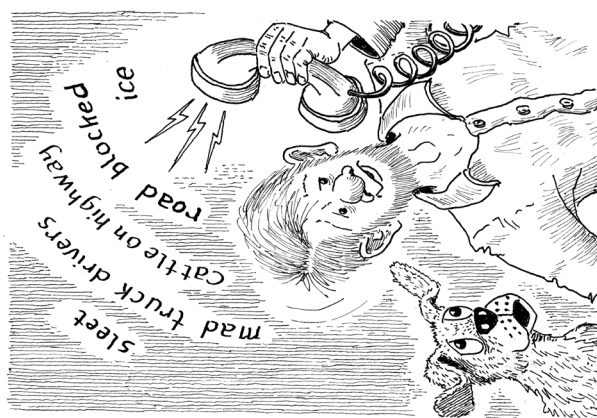
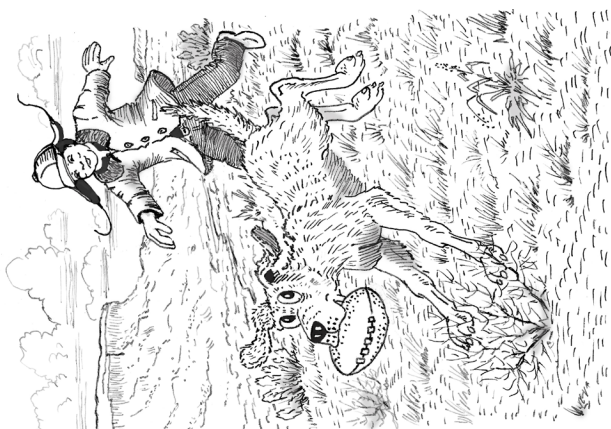
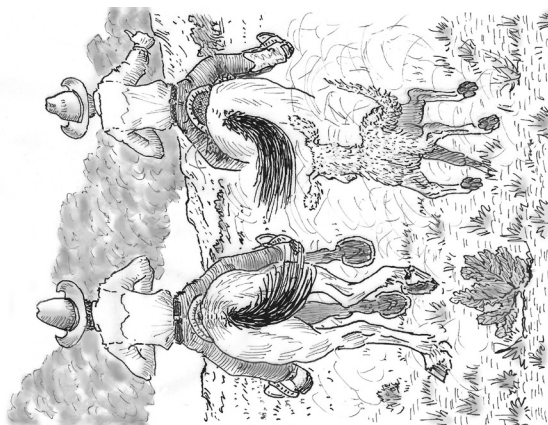
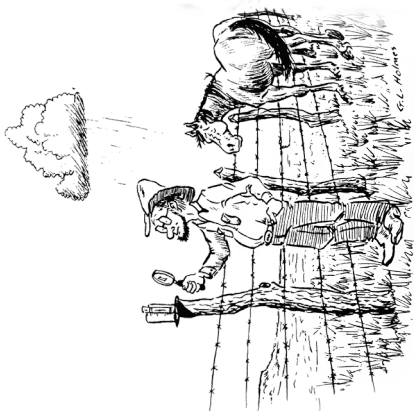
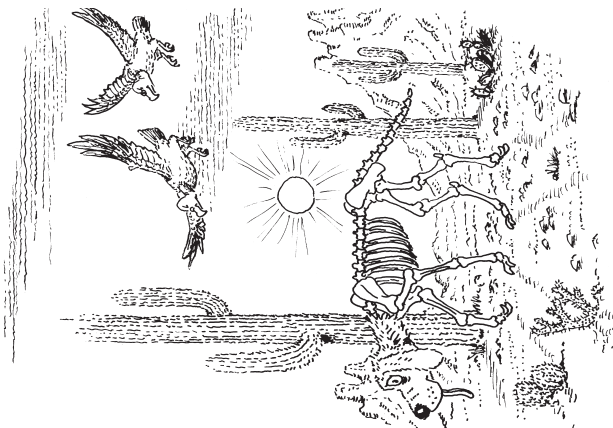
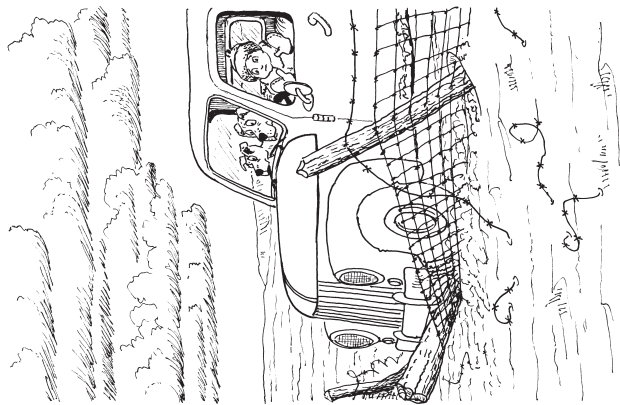
SEASONS ON A RANCH

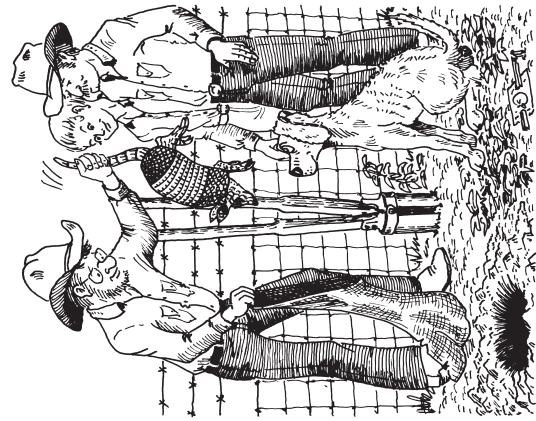
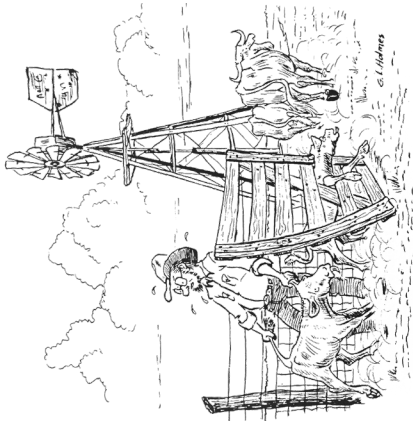
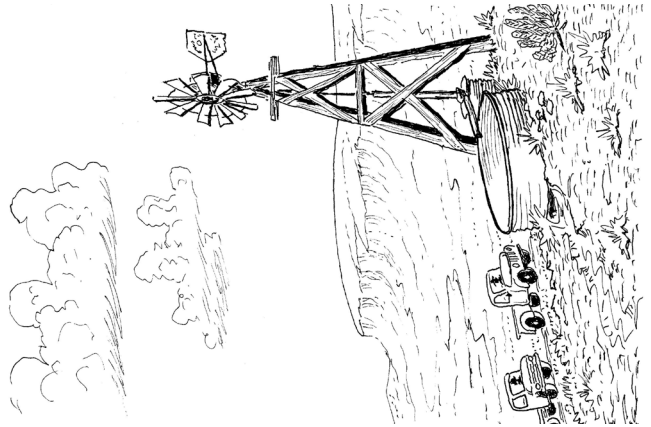
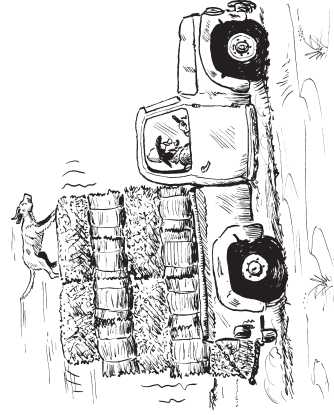
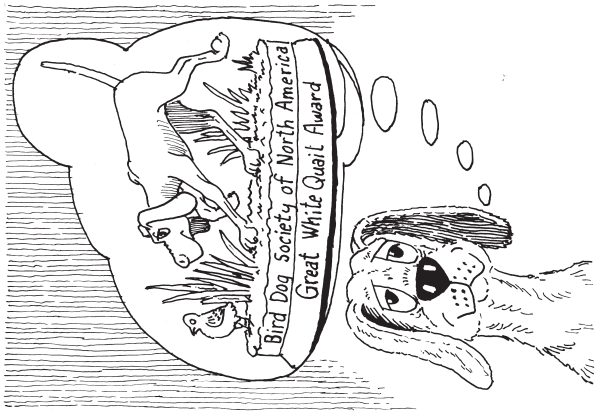
Weather Characteristics

- Longer days and shorter nights
- Scattered thunderstorms
- Hot temperatures
- Drought

Work Characteristics

- Hauling hay and water
- Moving cattle
- Checking windmills and submersible pumps to make sure there is a reliable water source for cows
- Building fences and fixing windmills





Weather Card Sort



NAME: _____ DATE: _____

THE BOTTOM LINE

Each season has different weather and ranch work characteristics. List 1-3 weather and 1-3 working characteristic for each season.

FALL	
Weather Characteristic(s)	Work Characteristic(s)

WINTER	
Weather Characteristic(s)	Work Characteristic(s)

SPRING	
Weather Characteristic(s)	Work Characteristic(s)

SUMMER	
Weather Characteristic(s)	Work Characteristic(s)