

STEAM Early Concepts

Books in this set: Trace Your Hand and Draw Wild Animals; Trace Your Hand and Draw Farm Animals; Farm 100 Questions and 70 Flaps to Lift!; Animal Parade Puzzle Book; Pairs in the Garden; Pairs Underwater; Patterntastic Treasure Hunt; Technicolor Treasure Hunt; First Words Art Charts; Make It Grow

Learning Objectives: identify color words, patterns, pairs, animals, trace and draw, ask and answer questions, sort by category, and compare and contrast.

Essential Questions in This Unit:

- How are things in nature the same and different?
- What is a farm? Who lives on a farm?
- What is a pair? How do we identify pairs?
- What kinds of patterns do you see around you?
- How do people get from place to place?

Read to find out:

1. What kinds of animals can you find?
2. Where do they live?
3. What colors do you see in nature?
4. How are colors used in ***Make it Grow***? Explain where colors are found in the book.
5. What kinds of patterns do animals have? (**Spotty, stripy, spiky, spiral, speckled, wavy**)
6. Read ***Patterntastic Treasure Hunt*** to find the picture that does not belong.
7. What is a farm?
8. Why are farms important?
9. What does the farmer do?
10. What plants and animals live on the farm?
11. What Plants and animals live in a garden? Underwater?
12. Where do the plants grow?
13. How do people get around? What kind of transportation do you use?

14. What types of transportation do they use on the farm?
15. Use words to describe plants and animals- color, size, shape, where it lives
16. Find color words to describe the different seasons
17. What is a pair? What comes in pairs?
18. What pairs did you read about in *Pairs! Underwater* and *Pairs! In the Garden*?
19. Bigger and smaller are opposites. What other opposites are used in the books?
20. What books in the set have rhyming words?
21. Create a list of rhyming words from the books in the set.

Activities

1. Discuss how the students get to school. Collect data from the class. Fill in a bar graph using different colors for each "How I get to School".
2. Make a list of all of the types of transportation from *First Words Art Charts*. Write a sentence for one of the modes of transportation, tell who, what where when and why this would be used.
3. Take a walk around school. Find different shapes. Make real word connections.
4. Go on a Technicolor treasure hunt. Can you find things that are red, yellow, pink, green, orange, purple and blue?
5. _____ is bigger than a _____.
6. _____ is smaller than a _____.
7. Draw a pattern.
8. Have students trace their hands on mural paper and create a farm animal or wild animal. Label your animal. Write something about the animal.
9. Write a sentence and draw a picture using opposites.
10. Write a question about an animal, plant, transportation, pattern, and color.
Ex) What animals have stripes? What color is a fire engine? Publish a class *book of questions*.
11. Hang a clothesline in the room. Fill it with pairs of things made by the students. Count by 2's to find how many. Add to the clothesline each day.

For more information on this topic, please refer to the books below:

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| 9781847807779 | Animal Parade |
| 9781847808387 | First Words: Art Charts |
| 9781847809056 | Life on Earth: Farm |
| 9781847807892 | Make It Grow |
| 9781847808837 | Pairs! in the Garden |
| 9781847808820 | Pairs! Underwater |
| 9781847807793 | Pattern-tastic Treasure Hunt |
| 9781847807809 | Technicolor Treasure Hunt |
| 9781633221741 | Trace Your Hand and Draw Farm Animals |
| 9781633221758 | Trace Your Hand and Draw Wild Animals |