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This rhythmic picture book follows children and animals as they delight in the sights, sounds, and sensations of a rainy day.

**Ages:** 3 to 7 years

**ATOS Reading Level:**

n/a

**Lexile:** 240L

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# Worm Weather

*What happens on a rainy day?*

**What is STEAM?** Learning through Science, Technology, Engineering, the Arts, and Mathematics. Through STEAM, children problem solve, innovate, create, and collaborate.

**STEAM Topics in This Book:** observation, weather and rain, soil and worms, habitats

## Activities To Do Together:

*Worm Weather* encourages children to explore the outdoors during a rainy day to see how rain impacts the environment and the creatures living in it.

Before reading the book:

- Go outside and observe the weather. Ask your child to describe what they see. Is it sunny, cloudy, or rainy?
- Ask questions like, "What do you like to do when it rains?" or "What do you wear when it's raining?"
- Explore a garden or area with soil to look for worms and other critters living there.

While reading the book:

- Notice how the weather changes during the story. Ask your child what they see happening in the sky.
- Point out the coats the children put on before going outside in the rain. Ask your child why they are wearing the coats and boots in the rain.
- Notice how the worms are reacting to the rainy weather. How does this compare to how the children react to the rain?

When you have finished reading the book:

- If it is currently raining, dress in rain gear and grab an umbrella to explore the outdoors.
- After it rains, go outside, splash in the puddles together. Carefully observe the worms you might see.
- Create your own fun "worm dance" where you and your child wiggle and squirm like worms to music.
- Create your own experiment using a spray bottle to mimic the rain and observe how water affects different objects.

### Conversations During Daily Routines with Toddlers:

1. Morning Time: Look outside to see what the weather is like today. Discuss what would be appropriate clothing for the current weather.
2. Outside Time: Look for critters in the soil, including worms. Discuss what might be living in the soil and what they might do if it started raining.
3. Bedtime: Ask your child what they think the weather will be tomorrow. If it was raining during the day, ask your child their favorite part of the rainy day.

### Questions for STEAM Thinking:

1. What is your favorite type of weather? Why?
2. During a big storm, what are some sounds that you hear? What would you do to protect yourself from the storm?
3. What can we do if we get caught in the rain without an umbrella? Can you think of a way to stay dry?
4. What do you think will happen if it keeps raining all day? What might happen to the worms and the puddles?
5. If you were a worm, what would you do when it rained?
6. What do you notice when the rain stops and the sun comes out?

### Early Math Project Resources:

Visit [Worm Weather](http://countplayexplore.org/book/worm-weather) (countplayexplore.org/book/worm-weather) to find activities and related Learning Foundations and California Mathematics Standards for this book.

### Vocabulary

**STEAM words found in the story:** drizzle, puddle, rain, rainbow, thunder, worm

**Related STEAM words:** forecast, habitat, invertebrate, observation, precipitation, water cycle

**Words to build reading**

**comprehension:** crowd, dash, drip, huddle, hurry, muck, slosh.

**Related Books:** *Red Leaf Yellow Leaf* by Lois Ehlert

Click this link to the [World Catalog](http://WorldCatalog) or enter [bit.ly/4d7yRUo](http://bit.ly/4d7yRUo) to find *Worm Weather* in the public library.

