

Erikson Institute

Early Math Collaborative

Please have pen &
blank paper handy

Up, Down, & All Around: Exploring Spatial Relationships

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Erikson Institute, Chicago, IL

California Symposium Fall Session

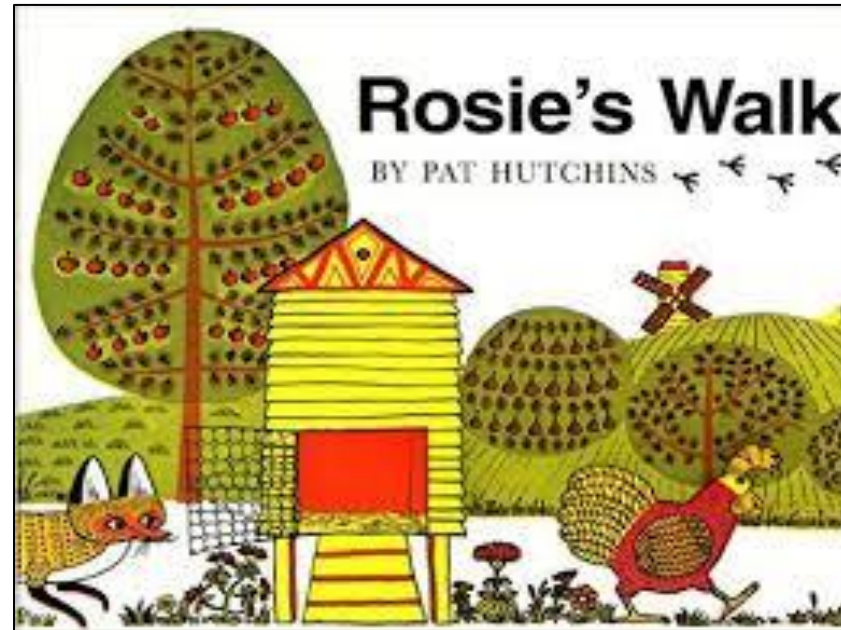
October 5, 2023

**While we are waiting to get started,
please type in the chat box:**

- **Your full name**
- **Your school or center name**
- ***Describe your location relative to an object near you.***

Rosie's Walk

by Pat Hutchins



A Big Idea about Spatial Relationships

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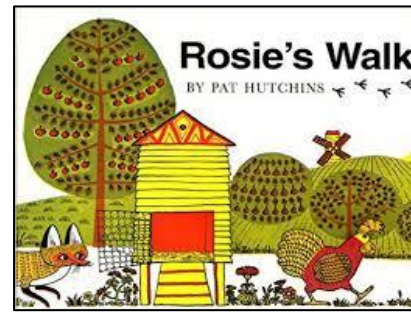
Teaching Implications

- Use precise language to describe spatial relationships
- Use and encourage gesture, movements, and other forms of representation to describe spatial relationships
- Ask children to talk about, plan, and organize movements through space

What will *Obstacle Courses* look like in your classroom?

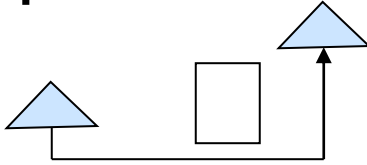


Considerations For Obstacle Course



- Read Rosie's Walk several times
- Invite children to create an Obstacle Course using classroom furniture (about 5 elements)
- Children watch as Teacher models moving through the Obstacle Course while saying position words with children repeating her words
- Teachers gives each child a turn to go through the Obstacle Course while everyone chants the position words together

A Big Idea of Spatial Relationships

Topic	Big Ideas	Examples
<p>Describing Space</p> 	<p>Relationships between objects and places can be described with mathematical precision.</p>	<ul style="list-style-type: none">• <i>Joshua is <u>in front of</u> Ana, and he is <u>behind</u> Tameika.</i>• <i>Carmen is walking <u>past</u> the fish tank and <u>between</u> the table and book shelf to get in line.</i>

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SERIES: IDEAS AT WORK

Working “Through” Math with English Language Learners

It is tough learning two new languages at once. In the case of ELLs, the two “languages” are often English and math.

Topic: [Spatial Relationships](#)

Age/Grade Level: Pre-K, Kindergarten

Tags [English Language Learner](#)



SERIES: FOCUS ON THE LESSON

Walk with Rosie

In this video, students explore spatial relationships by describing and traversing an obstacle course, then making a map of it.

Topic: [Spatial Relationships](#)

Age/Grade Level: Pre-K, Kindergarten

Tags [Rosie's Walk](#), [Play](#), [Books](#), [English Language Learner](#), [Pat Hutchins](#), [Mapping](#)



SERIES: IDEAS AT WORK

We're Going on a Math Walk, Going to Find Some Math Talk

Going for walks is an excellent time to talk about math with your child. You'll be surprised how much math talk you can have when you look for the math in your very own neighborhood.

Topic: [Number Sense](#), [Counting](#), [Spatial Relationships](#), [Shape](#)

Age/Grade Level: Pre-K, Kindergarten, 1st Grade, 2nd Grade, 3rd Grade

Tags [Family Math](#), [En Español](#)

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¡Ahora en español!

Thanks for joining us!

If you have questions, feel free to contact us -

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