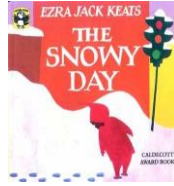




# Mountain Sledding



Blocks



## Standards:

MELDS.ATL.RPS.PS.2

MELDS.ATL.RPS.PS.5

MELDS.ATL.RPS.PS.6

MELDS.S.PS.PS.2

MELDS.S.PS.PS.3

MELDS.S.PS.PS.4

MELDS.S.PS.PS.6

### Materials:

- *The Snowy Day*
- Material to build ramps (unit blocks, planks, cardboard, trays,
- Small boxes or lids (wood, metal, plastic, cardboard)
- Small people figures
- paper
- clipboards
- writing and drawing utensils

### Vocabulary:

- slide
- sled
- speed
- steep
- ramp
- Incline, slope

**Preparation:** Set up materials.

### Intro to Centers:

“In *The Snowy Day*, Peter pretended he was a mountain climber. What do you notice?”

“Peter slid down the mountain. How else could he have gotten to the bottom?”

“When there is snow, people like to go sledding. Do you need a mountain to go sledding? Why?”

“In *Blocks*, you can make mountains with these materials. You can choose a box or lid to use as a sled”

“What do you notice?”

“You can experiment with the incline, slope of the ramp. What do you predict will happen when I make the mountain steeper?”

*Show illustrations. Children respond.*

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*Children respond.*

*Model building a ramp and let the sled slide down.*

*Children respond.*

*Model.*

*Children respond.*

***During Centers:***

Encourage children to build ramps and use different containers as sleds. Encourage them to experiment with the incline of the ramps.

***Guiding Questions during Centers:***

- What happens when you make your ramp steeper?
- Which sled goes down faster? Why? How can you test this?
- Will the sled go faster if I put a person in it? Why?

***Thinking & Feedback:*** Invite children to share their processes. Encourage children to describe the challenges they might have encountered.

***Documentation:*** Collect samples of the children’s work as well as photographs and/or video of their process; use the documentation to launch a discussion during Thinking and Feedback.

***Provocation:***

Take children sledding outside. If you don’t have a slope nearby, encourage children to build one, using shovels to pile the snow.

Use carpet, plastic, or a cookie sheet to build a ramp and compare the speed of the sleds.

