



# IDENTIFYING MOTION

EARLY INTERVENTION WITH YOUR YOUNG CHILD

Every child is different. Do what works best for encouraging your child's independent exploration of this suggested activity.



### ACTIVITY DESCRIPTION:

Take a round and a flat object (like a ball and a wood chip) when you and your child go to the playground. Encourage your child to place the objects down the slide and ask them how the objects move

### STEM LEARNING AREA:

#### Physical Science (concepts related to objects/things, what they do, and how they move):

- Force & Motion (concepts related to objects moving, how they move, and how to make them move)
- Motion Identification (knowing that things move, how they move, and why they move.)

### STEM PROGRESSION STEP:

- **Motion Type Recognizer:** Understands that objects move differently but may identify the motion incorrectly
- **Motion Type Identifier:** Correctly identifies types of object movement when they see it.

### WHAT CAN I SAY?:

- Block, Move, Slide, Roll, Bounce, Bump, Round, Flat
- "It rolls/They roll! The ball rolled down the slide."
- "It slides/They slide! The block slid down the slide."
- "How did the ball move on the slide? How did you move on the slide?"
- "I wonder what will happen when we put the ball at the top of the slide?"

### IDEAS TO SUPPORT MY CHILD'S GOAL:

Image credit: Microsoft Stock



# EXPLORING MOVEMENT ON THE SLIDE

EARLY INTERVENTION WITH YOUR YOUNG CHILD

Every child is different. Do what works best for encouraging your child's independent exploration of this suggested activity.



### ACTIVITY DESCRIPTION:

Take a ball when you go to the playground. Help your child explore putting the ball down a slide and talk about how the ball is moving down the slide. Next, help your child push the ball up the slide and help them notice what happens (the ball falls back down).

### STEM LEARNING AREA:

#### Physical Science (concepts related to objects/things, what they do, and how they move):

- Force & Motion (concepts related to objects moving, how they move, and how to make them move)
- Gravity (force that pulls things to each other; especially things to the ground)

### STEM PROGRESSION STEP:

- **Gravity Recognizer:** Recognizes that gravity can be used to create motion or act as a force

### WHAT CAN I SAY?:

- Fall, Down, Move, Push
- "I wonder what will happen when we put the ball at the top of the slide? Do you think it will go down?"
- "I wonder what will happen if we push the ball at the bottom of the slide? Do you think it will go up and stay?"
- "Look! The ball rolls back down after we pushed it up!"

### IDEAS TO SUPPORT MY CHILD'S GOAL:

Image credit: Peter Dutton, Flickr





# PLAYING WITH SWINGS

EARLY INTERVENTION WITH YOUR YOUNG CHILD

Every child is different. Do what works best for encouraging your child's independent exploration of this suggested activity.



### ACTIVITY DESCRIPTION:

Help your child think about how they can change how high the swing goes while swinging at the playground (e.g., giving the child a big push on the swing will help them go higher).

### STEM LEARNING AREA:

#### **Physical Science (concepts related to objects/things, what they do, and how they move):**

- Force & Motion (concepts related to objects moving, how they move, and how to make them move)
- Exertion of Force (doing something to make something else move)

### STEM PROGRESSION STEP:

**Force Identifier:** Understands how changes to the amount of force exerted will change how an object moves

### WHAT CAN I SAY?:

- Push, Move, Force
- "Wow, that was a lot (or a little) force you made!"
- "You went higher and faster when I gave you a big push!"
- "I wonder how we can move the swing higher? Can you help me? Should we give it a little push or big push?"

### IDEAS TO SUPPORT MY CHILD'S GOAL:

Image credit: Pexels

