

SAND PENDULUM

Scoop, pour, and set the pendulum in motion!

DISCOVER

Watch in awe as swirling mandala patterns appear in the sand, each design unique and mesmerizing. What shapes will your pendulum create?

CONNECT

Try stopping the sand flow at different moments—how does it change the design? Adjust the swing and speed to explore endless artistic possibilities!

EXAMINE

As the pendulum moves, discover the magic of motion and gravity in action. Notice how each movement creates perfect symmetry and flowing patterns right before your eyes!

TRY SOMETHING NEW!

Can you make a flower shape? A spiral? Experiment with different swings and see what masterpieces you can create!

FUN FACTS

Pendulums swing back and forth due to gravity and momentum—just like a playground swing!

Many patterns found in nature, like snowflakes and flowers, follow the same symmetrical designs created by the sand pendulum!



Let your child take the lead in this artistic physics experiment!

- ✨ Encourage them to predict what patterns will form before the pendulum swings.
- ✨ Ask them how changing the speed or direction affects the design.
- ✨ Celebrate their creativity as they make one-of-a-kind sand art!