

Everything is planned for you!

Planning Page - Oil & Water

Opposites Unit - Lesson 7

Teacher planning page with objectives, fun facts, supply lists

Guiding questions to help promote discussion

Guiding Questions - Oil & Water

Opposites Unit - Lesson 7

Will the oil and water mix together?

No, the oil and water molecules are different. Water molecules are polar, while oil molecules are non-polar. When you mix them together, they will not mix.

What are the differences between oil and water?

Water and oil look different. Water is clear, while oil is yellow. Water is heavier than oil, so it sinks to the bottom. Water is a liquid, while oil is a liquid.

Which liquid is heavier?

Water is heavier than oil.

Which liquid is lighter?

Oil is lighter than water.

Which liquid is more viscous?

Oil is more viscous than water.

Which liquid is more flammable?

Oil is more flammable than water.

Which liquid is more soluble in water?

Oil is not soluble in water.

Which liquid is more soluble in oil?

Water is not soluble in oil.

Science Investigation - Oil & Water

Opposites Unit - Lesson 7

Will the cotton balls sink or float?

Simple experiment for children to learn about oil and water. Using oil and water, children can learn about the properties of these liquids.

Sensory Bottles - Oil & Water

Opposites Unit - Lesson 7

Will the oil & water mix?

Setting up oil and water sensory bottles. Students learn about the properties of these liquids.

Book Recommendations - Oil & Water

Opposites Unit - Lesson 7

Oil Spill!

by Melvin Belli
When oil spills into the ocean, it can be very harmful to the environment. This emergency book teaches students how to protect the ocean.

Water! Oil!

by KlevaKids
This rhyming picture book teaches students about the properties of water and oil. It includes a song to help students remember the differences.

Saving Matilda

by Serena Lan
This sweet story about Matilda who saves the world from an oil spill. It's a great addition to your oil and water unit.

Teacher-Recommended Book List

Step-by-step directions for each activity.

Oil & Water Language Board



oil



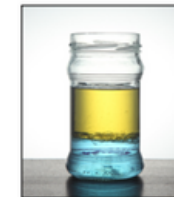
water



layer



mix



separate



liquid

Language Board with detailed pictures



3 Full Color Resource Posters

Clear pictures to attract students' attention.



Clear, concise sentences to reinforce the concept.

Cooking oil is made from different seeds, nuts, or vegetables.



STEM & Literacy

Focus Question
Will the cotton balls sink or float?

1 Make a prediction.

2 Fill 2 cups with water.


3 Add some cotton balls to the first glass.


4 ...


5 ...

6 ...


Vocabulary Tracing Cards


 **oil**


 **water**


 **layer**


Hands-on Investigations


oil

a slippery liquid made from sunflower, canola, olives or...

layer


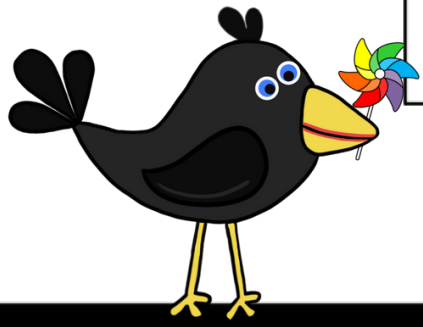
separate


water

a clear liquid that has no color or taste

mix

when two things are combined together

liquid

a substance that is wet and flows, like oil and water

Vocabulary cards to hang around the science center



Take Home Mini-Books

Practice facts
learned in class

Some things are long and
We can measure with a ruler.

A chick can be short.

A snake can be long.

A stool can be short.

A bridge can be long.

Some things are short.

Some things are long.

All About

Long & Short



Name _____

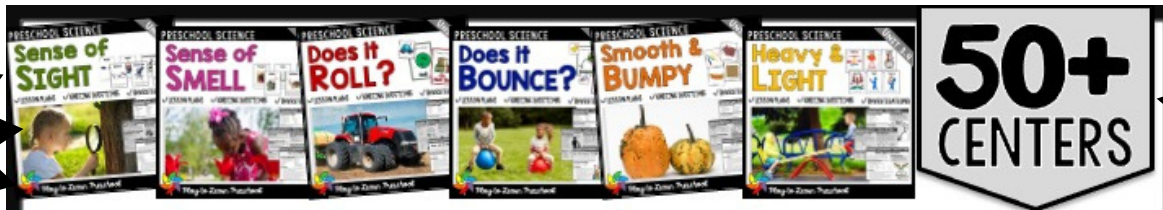
Black & White
2 copies/page

Send home for
additional
practice



Looking for More Preschool Resources?

**SAVE
\$\$\$**



**SAVE
\$\$\$**

HANDS-ON

SCIENCE

PRESCHOOL CURRICULUM

YEAR-LONG LESSON PLANS



8 COMPREHENSIVE UNITS

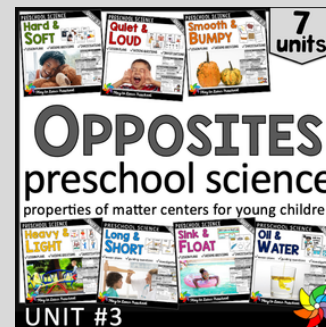
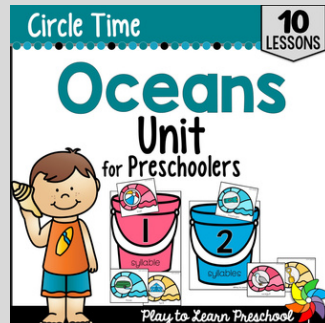
Have fun playing and learning with your students!



Meet Jamie

Jamie is the founder and C.E.O. of Play to Learn Preschool. She has her bachelor's degree in Early Childhood Education and a master's degree in reading education. She has taught in both public and private schools and works tirelessly to create meaningful and delightful preschool experiences for both her virtual and in-person preschool students.

Additional Resources:



@playtolearnps



Play to Learn Preschool