

# SCIENCE CURRICULUM

## PRESCHOOL BUNDLE

1,700+  
PAGES!



**OUR SENSES**  
PRESCHOOL SCIENCE  
INVESTIGATION CENTERS FOR YOUNG CHILDREN

7 units

UNIT #1

Includes: Sense of SIGHT, Sense of HEARING, Sense of TOUCH, Sense of SMELL, Sense of TASTE, Rocks & SHELLS, All About PINE CONES

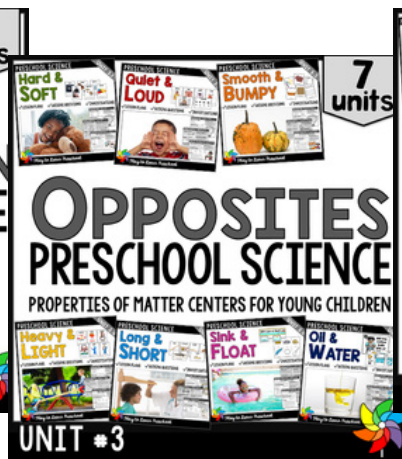


**FORCE & MOTION**  
PRESCHOOL SCIENCE  
EARLY PHYSICS CENTERS FOR YOUNG CHILDREN

6 units

UNIT #2

Includes: All About MAGNETS, Push & Pull, Does it ROLL?, Does it SPIN?, Does the WIND Move it?, Does it BOUNCE?

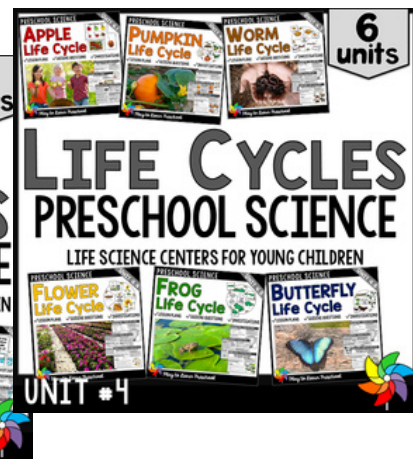


**OPPOSITES**  
PRESCHOOL SCIENCE  
PROPERTIES OF MATTER CENTERS FOR YOUNG CHILDREN

7 units

UNIT #3

Includes: Hard & SOFT, Quiet & LOUD, Smooth & BUMPY, Heavy & LIGHT, Long & SHORT, Sink & FLOAT, Oil & WATER



**LIFE CYCLES**  
PRESCHOOL SCIENCE  
LIFE SCIENCE CENTERS FOR YOUNG CHILDREN

6 units

UNIT #4

Includes: APPLE Life Cycle, PUMPKIN Life Cycle, WORM Life Cycle, FLOWER Life Cycle, FROG Life Cycle, BUTTERFLY Life Cycle

52

CLASSROOM TESTED  
UNITS INCLUDED

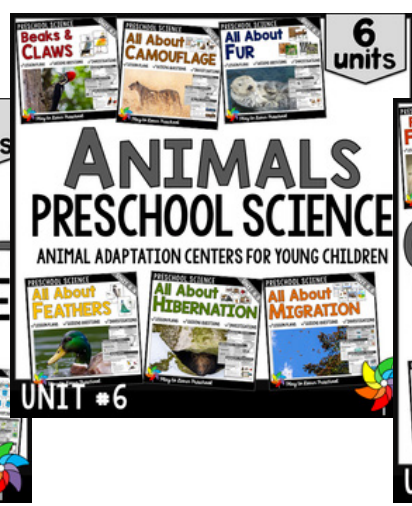


**PLANET EARTH**  
PRESCHOOL SCIENCE  
EARTH & SPACE CENTERS FOR YOUNG CHILDREN

8 units

UNIT #5

Includes: All About SHADOWS, All About Sun & MOON, Seasons: WINTER, Seasons: SPRING, Seasons: SUMMER, All About OCEANS, Reduce-Reuse-RECYCLE

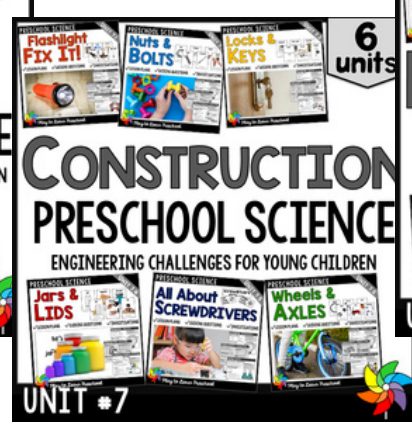


**ANIMALS**  
PRESCHOOL SCIENCE  
ANIMAL ADAPTATION CENTERS FOR YOUNG CHILDREN

6 units

UNIT #6

Includes: Beaks & CLAWS, All About CAMOUFLAGE, All About FUR, All About FEATHERS, All About HIBERNATION, All About MIGRATION

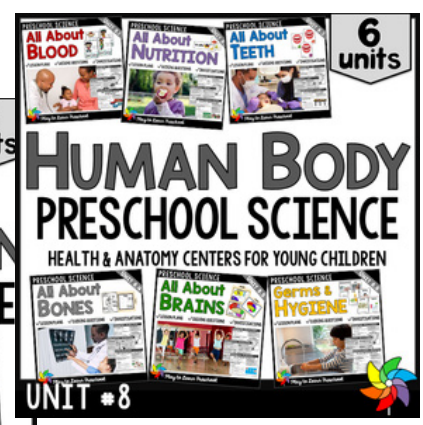


**CONSTRUCTION**  
PRESCHOOL SCIENCE  
ENGINEERING CHALLENGES FOR YOUNG CHILDREN

6 units

UNIT #7

Includes: Flashlight Fix It!, Nuts & BOLTS, Locks & KEYS, Jars & LIDS, All About SCREWDRIVERS, Wheels & AXLES



**HUMAN BODY**  
PRESCHOOL SCIENCE  
HEALTH & ANATOMY CENTERS FOR YOUNG CHILDREN

6 units

UNIT #8

Includes: All About BLOOD, All About NUTRITION, All About TEETH, All About BONES, All About BRAINS, Germs & HYGIENE

# PLANNING PAGES

EACH UNIT INCLUDES:

## Planning Page - Sink & Float

Opposites Unit - Lesson 6

### Recommended Supplies:

- tub or non-breakable aquarium filled with water
- sorting cards (provided)
- pocket chart
- small toys to test for sink and float
- small plastic bowls
- marbles
- towel to dry the area in between tests

### Learning Objectives:

- The students will use simple investigation tools to make observations.
- The students will develop questions based upon observations.
- The students will explore cause and effect.

Objectives written in kid-friendly language.

Complete list of recommended supplies.

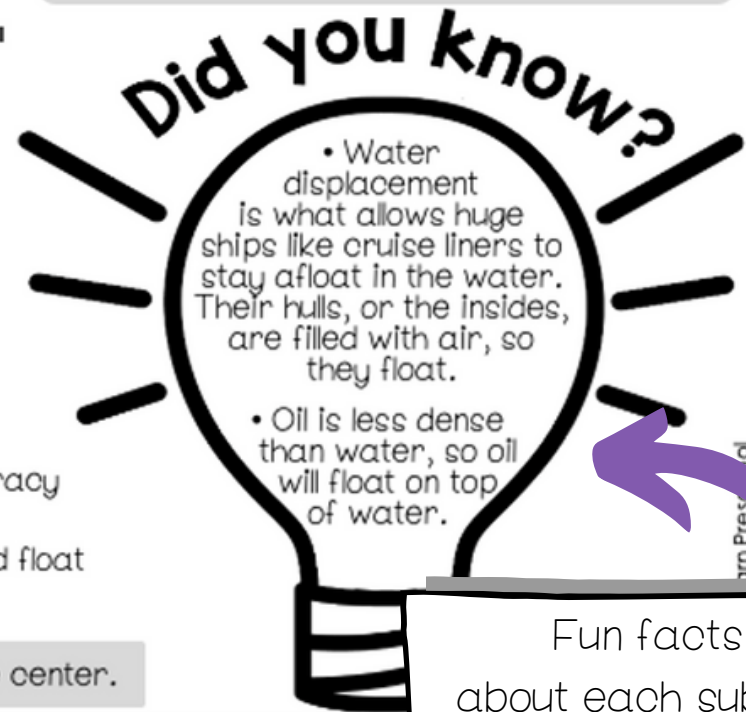
### Hands-on Learning

Assemble items to sink and float for this science center. Children will love investigating and exploring with these hands-on items. They will strengthen their problem-solving and analytical skills as they play. This science center will be a wet one, so assemble as appropriate for the age and abilities of the students.

While exploring sink and float, students can:

- learn how to make predictions and test for accuracy
- learn new vocabulary
- explore different items for their ability to sink and float

Hands-on learning considerations.



Fun facts about each subject.



EACH UNIT INCLUDES:

# FULL COLOR PHOTOGRAPHS



A ramp makes it easier to roll things.



Tadpoles hatch from frog eggs.



A microscope helps to make small things easier to see.



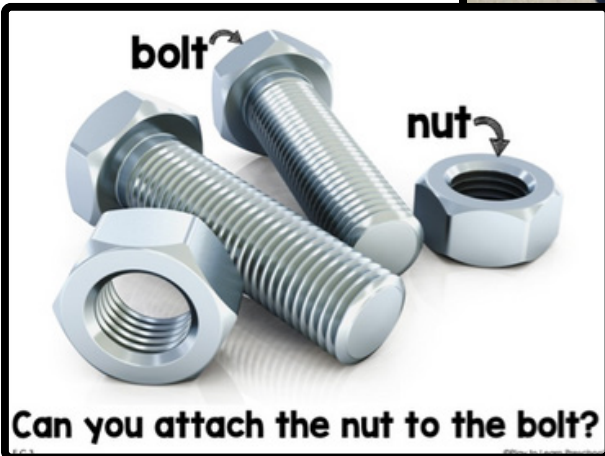
Oil and water don't mix. Oil floats on top of water.



Shadows are made when light is blocked.



A parrot uses its claws to pick up food.



Can you attach the nut to the bolt?



Doctors take x-rays to see the bones in our bodies.



# GUIDING QUESTIONS

EACH UNIT INCLUDES:

## Guiding Questions - All About Bones

Healthy Bodies Unit - Lesson 4

### Can you feel any bones in your body? Where?

Activating prior knowledge and asking students to talk about the bones in their body at the start of a lesson is a great way to encourage curiosity.



### What do bones do?

**Protection** – Bones are the internal framework of our bodies. They are like a cage to protect the soft organs inside us.



**Movement** – Bones and muscles work together to hold our body upright and help us move.



**Blood Cells** – Bones have a substance called marrow in the center. Bone marrow makes blood cells, which carry oxygen and nutrients to different parts of the body.



### How can you keep your bones healthy?

Since bones make up the framework of our bodies, it is important to work to ensure they are healthy.

**Foods** – Eat a well-balanced diet that includes foods rich in calcium, like milk, nuts, or dark green vegetables.



**Exercise** – Get plenty of physical activity. Doing things like running, climbing, or lifting can help keep your bones healthy.

### What happens if you break a bone?

If you break a bone, a doctor will put a cast, splint, or sling on that part of your body. Your body will then work to make new tissue inside your body, putting the broken bone back together.



Age-appropriate questions for teachers to ask students.



Detailed information about each topic.

# EMERGENT LITERACY

EACH UNIT INCLUDES:

## TRACING CARDS

touch

soft

hard

## VOCABULARY POSTERS

seeds

pollination

soil

sprout

flower

petal

tiny parts of that grow new plants

a small plant that grows from a seed

the pretty, colorful part of a plant

the thin, colorful part of a flower

## LANGUAGE BOARD

### Sink & Float Language Board

<p>sink</p>	<p>float</p>	<p>experiment</p>
<p>density</p>	<p>heavy</p>	<p>light</p>

## TAKE-HOME BOOK

A lock keeps things closed.

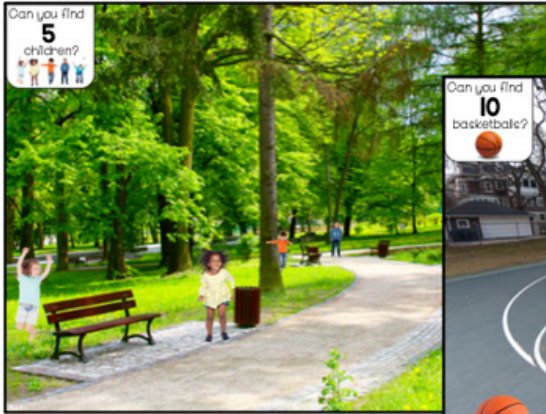
All About  
**Locks & Keys**

Name \_\_\_\_\_

# HANDS-ON ACTIVITIES

EACH UNIT INCLUDES:

## SEARCH & FIND



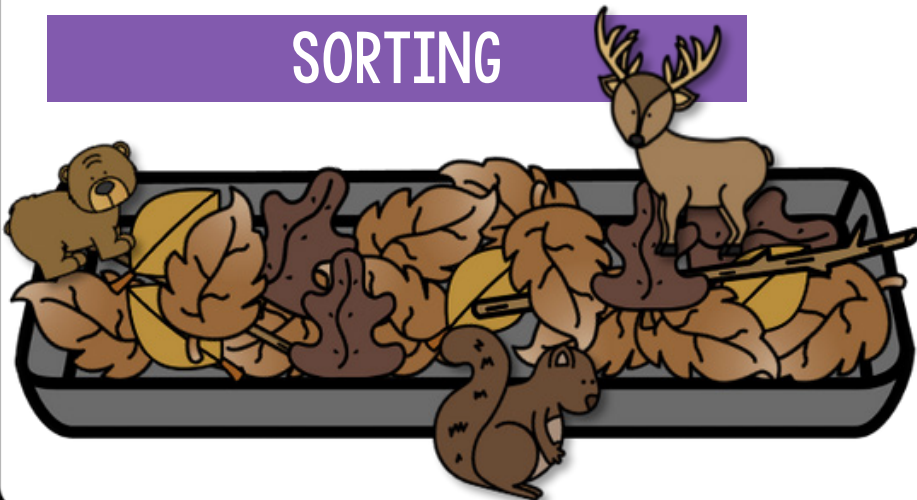
## STUDENT INVESTIGATIONS

### How many paperclips?

small	medium	large
Count the paperclips and write the number.	Count the paperclips and write the number.	Count the paperclips and write the number.
<input type="text"/>	<input type="text"/>	<input type="text"/>

## SCAVENGER HUNTS

## SORTING



### Light Scavenger Hunt

 <input type="checkbox"/> ring	 <input type="checkbox"/> butterfly	 <input checked="" type="checkbox"/> glue bottle
 <input checked="" type="checkbox"/> mouse	 <input type="checkbox"/> leather	

### Heavy Scavenger Hunt

 <input type="checkbox"/> dump truck	 <input checked="" type="checkbox"/> refrigerator
 <input type="checkbox"/> train	 <input type="checkbox"/> couch

...AND MORE!

EACH  
UNIT  
INCLUDES:

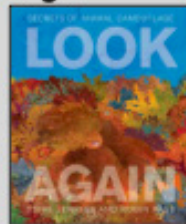
# BOOK RECOMMENDATIONS

## Book Recommendations - Camouflage

### Animal Adaptations Unit - Lesson 2

#### Look Again: Secrets of Animal Camouflage by S. Jenkins & R. Page

Children will delight in finding the animals that are hidden in this stunning book. Detailing how and why animals hide, this book is perfect for any preschool classroom.



#### Where in the Wild by David M. Schwartz

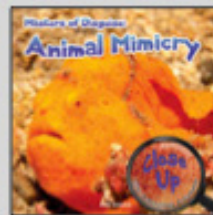
Combining poetry and detailed pictures, this book will fascinate readers of all ages. Clues will help guide readers to find the hidden animals on each page.



Peer-reviewed texts for preschoolers.

#### Masters of Disguise: Animal Mimicry by Elsie Belback

Gorgeous photographs will grab young learners' attention in this book all about how animals protect themselves by looking like something else.



#### Camouflage American Museum of Natural History

Written specifically for young learners, this book includes flaps that students can lift to reveal the animal beneath. Six creatures are featured in detailed photographs and engaging facts.



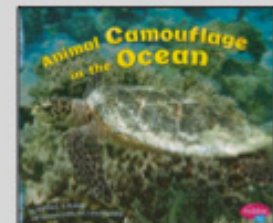
#### Camouflaged Creatures by Marie Racanelli

Emergent readers will love the detailed pictures in this book of camouflaged creatures. Use the detailed facts to help guide a circle time lesson or to add to the discussion.

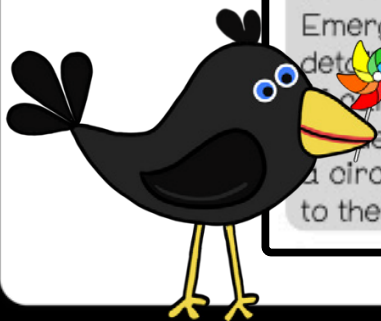


#### Animal Camouflage in the Ocean by Martha E.H. Rustad

Young learners will love finding the ocean animals in their natural habitat. Packed full of colorful photographs and animal facts, this text is sure to be a hit.



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# 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.

