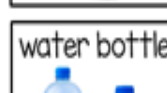
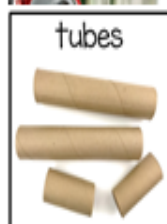


little learners science

Trash & Recycling

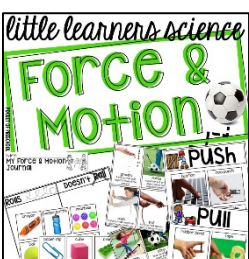
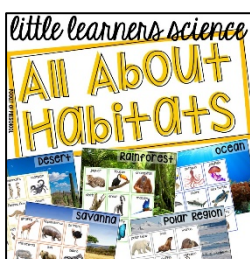
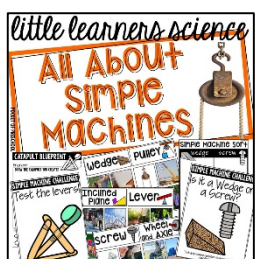
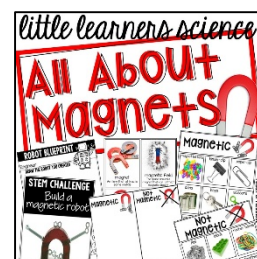
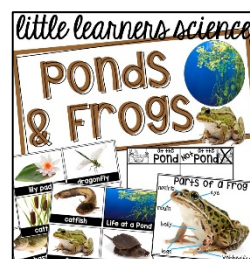
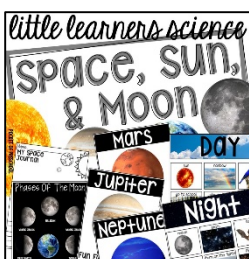
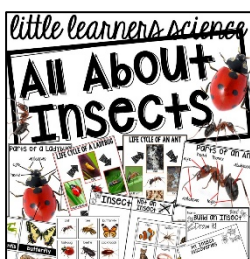
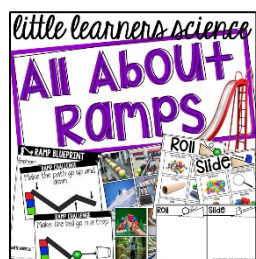
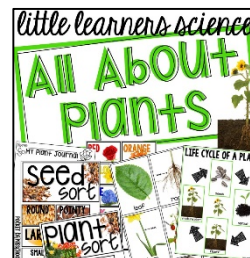
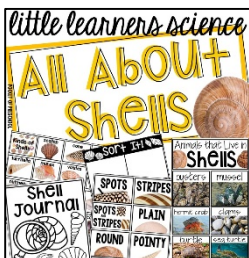
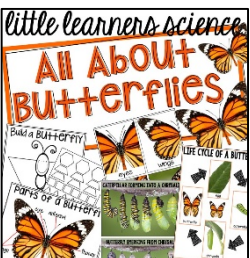
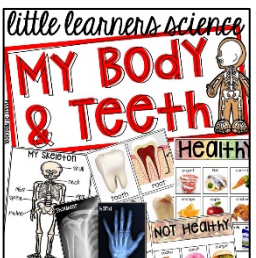
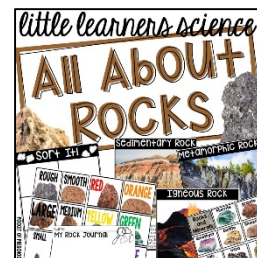
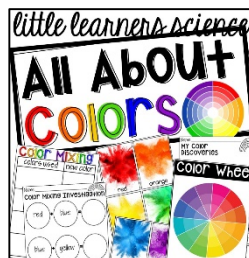
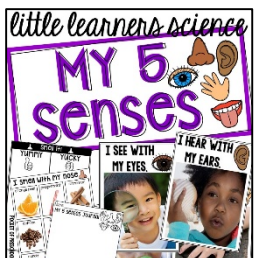
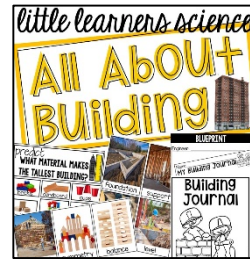
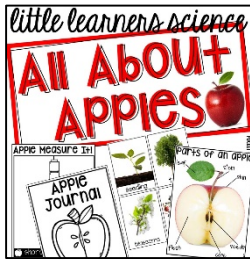


Name: _____
MY Trash & Recycle Journal



Little Learners Science Curriculum

Click on the cover to check it out!





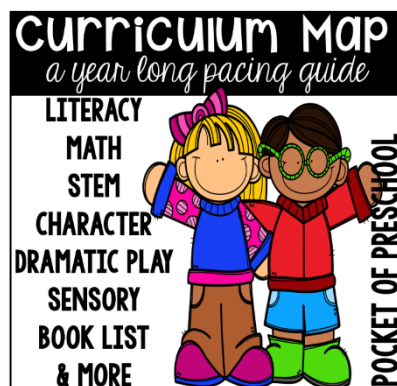
little learners
Science

Questions about
the Little
Learners Science
Curriculum?

Check out [this blog post](#)
that has all the details!



Need more Binder
covers? Grab [THIS](#)
[FREE](#) pack of binder covers!



Download the **FREE**
[Curriculum Map](#) to see how the
Little Learners Science Curriculum can
be taught throughout the school year
with various learning themes and
seasons or as needed.

Subscribe to the
Newsle+ter

[HERE](#) for exclusive freebies, lesson plan
inspiration, updates, and a HUGE writing
center FREEBIE!



WANT TO PRINT IT SMALLER OR LARGER?

Print something smaller to save ink and paper or print it poster size.

Make sure you have the latest edition of Adobe Reader, and that your computer is opening this file in Adobe (not your computer's default reader or online).

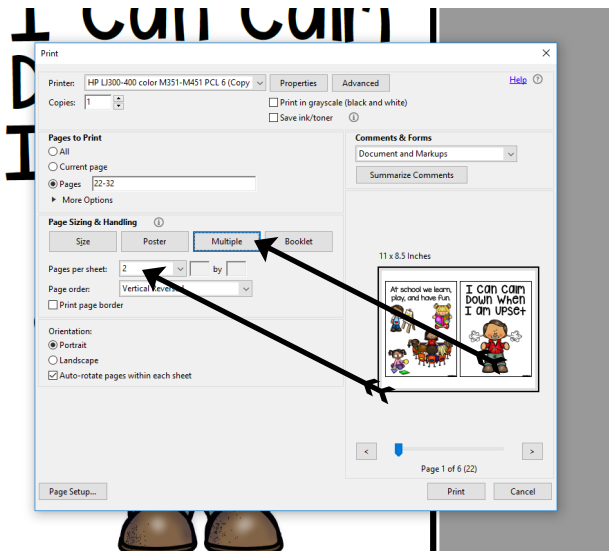
Print SMALLER Directions: To print it smaller in size

- Select File then Print or select the Print icon
- Select Multiple
- Click on the Pages per sheet and choose the number 2, 4, 6, 9, 16, or custom

Print BIGGER Directions: To print it larger in size

- Select File then Print or select the Print icon
- Select Poster
- In the Tile Scale box, choose the percentage you want it to print
- Click the arrow to check how it will look when printed and pieced together

Print SMALLER



Print BIGGER

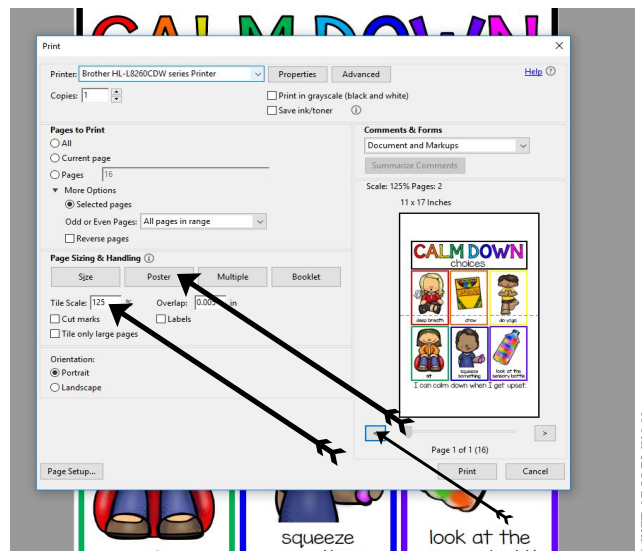


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little learners science

Trash & Recycling



LABELS

Included are many labels you can use to organize all the science items included in this pack. Use the size that works best for your container.

If you want a binder cover or spine, use pages 7 and 8.

little learners SCIENCE

All About Trash & Recycling



All About Trash & Recycling



SCIENCE TABLE OR SHELF: Use a small table or a small bookshelf to create an engaging science center full of hands on materials for students to explore and investigate!

SCIENCE READ ALOUD & CONNECTING ACTIVITY: During circle time read a science book. Then do one of the included connecting activities (see suggested reading list).

SCIENCE TALKS: During circle time have “science talk” to:

- introduce the new science study and vocabulary words
- share students’ ideas, misconceptions, and discoveries
- test students’ discoveries
- complete included charts
- pose and investigate one of the included questions

DISCOVERY SHOUT OUTS: When a student makes a discovery call the class over and let the student share and show their discovery with the group. It only takes 3ish minutes but it is POWERFUL. Students learn so much from each other.

If a student doesn’t want to share, explain it for them and they can point to the various parts as you explain it. As students feel safe and build confidence, hopefully they will want to share their discovery with the class. This could be during center time or if you break up into trios/pairs for science investigations

How to Set up the Science Table or Shelf

(this is an IKEA Lack Table)

Suggested Materials

- Magnifying glass
- Various science tools to match the science mat
- "trash" (see next page for ideas and safety precautions)
- Included printables
- Books (see book list)

BOOK List

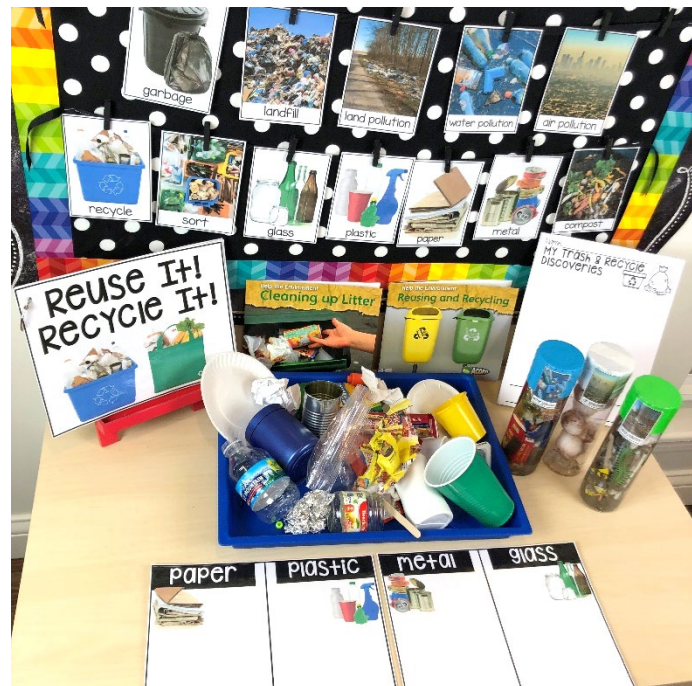
- Cleaning Up Litter and Reusing and Recycling
by: Charlotte Gullain
- 10 Things I Can Do to Help my World
by: Melanie Walsh

Document Student Learning

- Make a class discovery journal and place student discovery pages inside
- Hang students' discovery pages on the wall.
- Take photos of students investigating and post them in the center.



Use a small table or small bookshelf to create an engaging science center full of hands on materials for students to explore and investigate!



- All items need to be CLEANED.
- No containers that contained chemicals should be used (ex: do NOT use cleaning bottles, laundry detergent bottles, spray paint cans).
- Check all edges. If an item has a sharp edge, do NOT use it.

- Small empty travel bottles.
- Small empty food containers or wrappers.
- Single serve food containers. If your students bring their lunch, clean and keep those containers to use.
- Lids (metal lids, plastic lids)



VOCABULARY CARDS

Print the cards and place in the center.

Options:

- Create an anchor chart with the cards and the included header "All About Trash and Recycling"
 - I stapled a ribbon to the wall and clipped the cards to it with small clothespins. That way, I could easily take down the cards to use for science talks, circle time, etc.
- Put the cards by objects on the science table/shelf
- Place the cards on a metal ring





metal



glass



paper



plastic



recycle



sort



compost



garbage



land pollution



water pollution



air pollution



landfill

TRASH

AND

RECYCLING

SCIENCE PROMPTS

Give students an opportunity to predict, explore, observe, test, examine, and collect data through experiments and investigations at the science table.

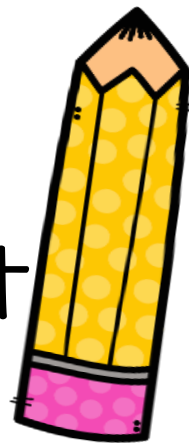
- Mini Science Prompts:

- Place the mini science prompts by the corresponding tool. Students can examine and compare the trash.





Use the magnifying glass to look closer.
Draw and write about what you see!



POCKET OF PRESCHOOL

Print and laminate.
Place next to the magnifying glasses.

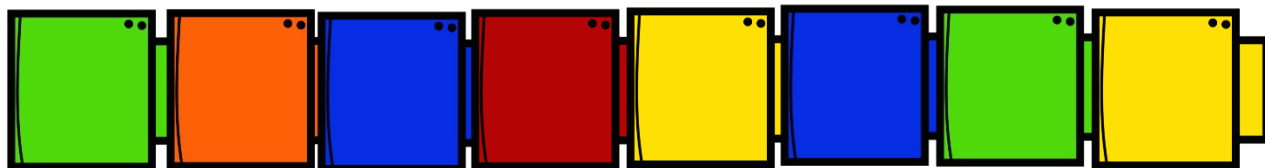
Print and laminate.
Place next to the scale.



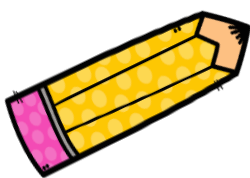
Put the items on the scale to compare how much they weigh.

Which weighs more?

Print and laminate.
Place next to the cubes.



Use the tools to measure.



How long is it?
How wide is it?

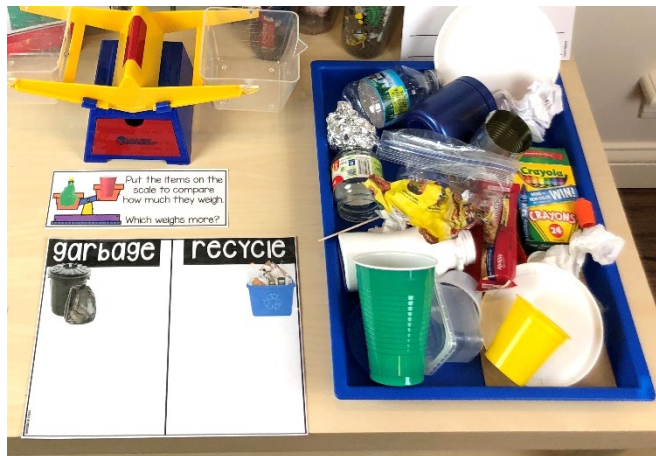


SORTING CHARTS

Give students an opportunity to predict, explore, observe, test, examine, and collect data through experiments and investigations at the science table.

• Activity Sorting Charts

- Laminate and place in the center with small “trash” items. The “trash” should be CLEAN and safe for students to handle (washed, clean, no sharp edges, no chemicals, etc.).
- Use one sorting chart at a time (lower level) with “trash”.



- Tape the category sorting charts together so students can sort the “trash”: glass, plastic, metal, paper.



garbage



recycle



paper



plastic



metal



glass



POLLUTION CLEAN UP SENSORY TUBS

Pollution can be a big concept for little learners to understand so create sensory tubs so they can get an up close look at it, the effects it can have, and how hard it is to clean up.

Students try to remove the trash using their hands or tweezers.

Create 2 pollution sensory tubs:

- **Land Pollution:** place dirt and "trash" in the tub/tray (optional plastic bugs/worms)
- **Water Pollution:** place water and "trash" in the tub/tray (optional plastic fish)

"Trash"

- Ideas for "trash" to put in the sensory tubs: coffee grounds, pancake syrup, apple core, orange peels, soda, small pieces of plastic bags, aluminum foil, paper, candy wrappers, plastic lids, straws, bottle caps.

Sensory Tub Tips:

- Use a container with an edge to keep the water or dirt in.
- Place a second container next to it for students to place the trash in as they "clean up" the pollution.



Talk about how the pollution affects the animals, soil, air, or water and how it was to clean up (easy, hard, impossible).

POLLUTION SENSORY BOTTLES

Pollution can be a big concept for little learners to understand so create sensory bottles for them to see it up close.

Create 3 pollution sensory bottles:

- **Land Pollution:** place dirt and "trash" in the sensory bottle (optional plastic bugs/worms)
- **Water Pollution:** place water and "trash" in the sensory bottle (optional plastic fish)
- **Air Pollution:** use an empty sensory bottle with cotton balls for clouds and drop a few drops of brown food coloring or liquid watercolor (optional plastic bird/butterfly)

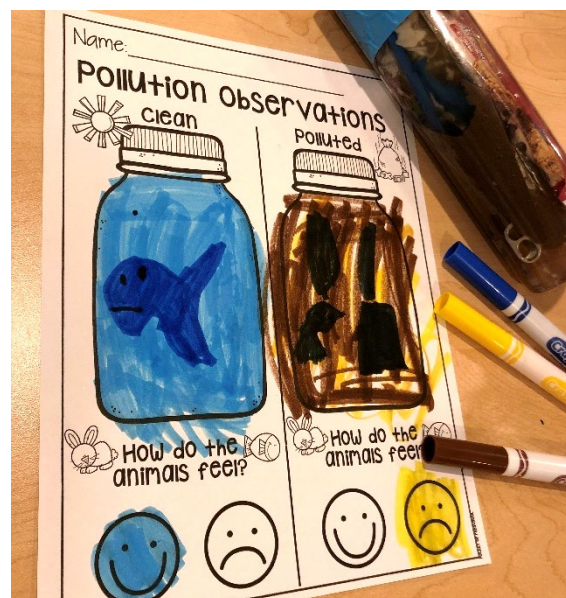
"Trash"

- Ideas for "trash" to put in the sensory bottles: coffee grounds, pancake syrup, apple core, orange peels, soda, small pieces of plastic bags, aluminum foil, paper, candy wrappers, plastic lids, straws, bottle caps.

Sensory Bottle Tips:

- Use any plastic bottle. Voss or Gatorade bottles have always worked the best for me because the plastic is thicker.
- Tape and hot glue the lid shut.

Talk about how pollution affects the animals, the soil, air, or water. Optional recording pages included (2 levels).





land pollution



water pollution



air pollution



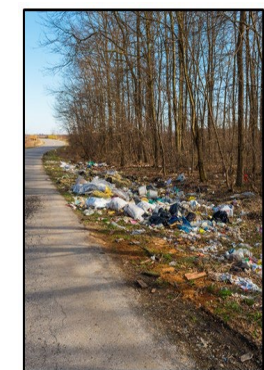
land pollution



water pollution



air pollution



land pollution



water pollution

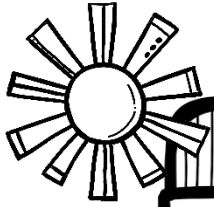


air pollution

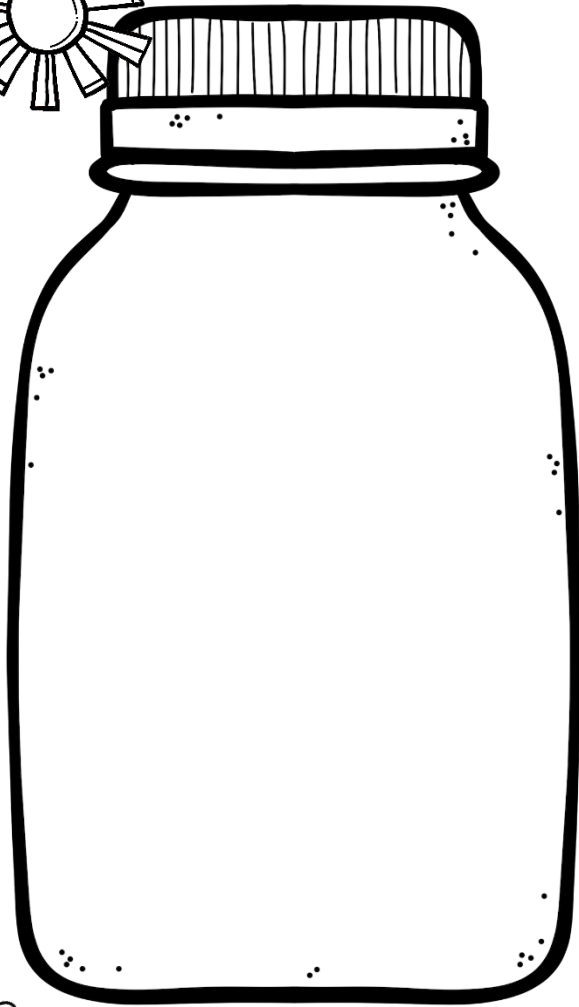
PLACE ON THE TABLE OR CENTER TO LABEL THE SENSORY TUBS AND SENSORY BOTTLES

Name: _____

POLLUTION Observations



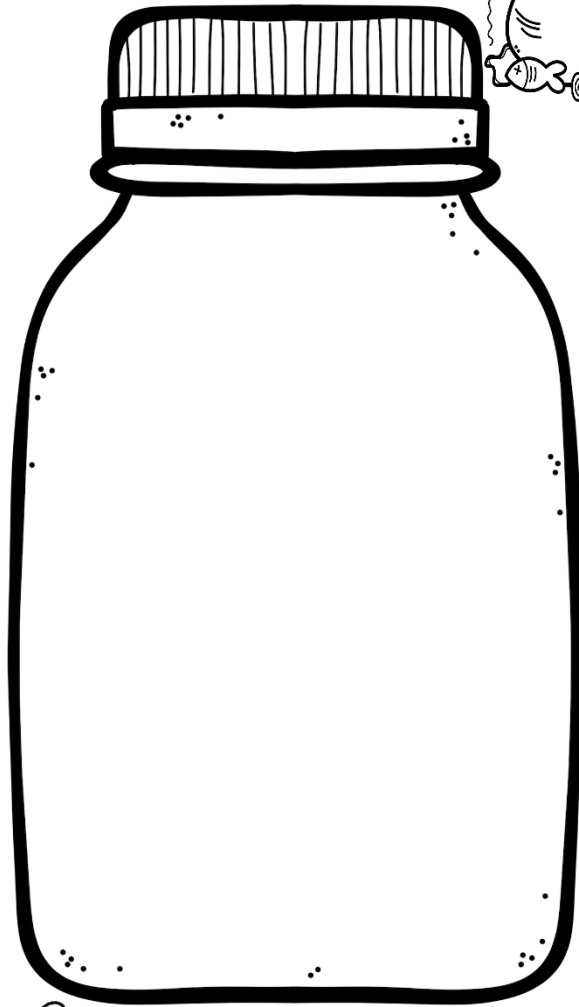
Clean



How do the animals feel?



Polluted

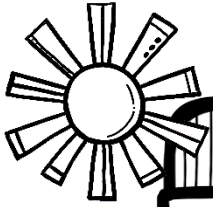


How do the animals feel?



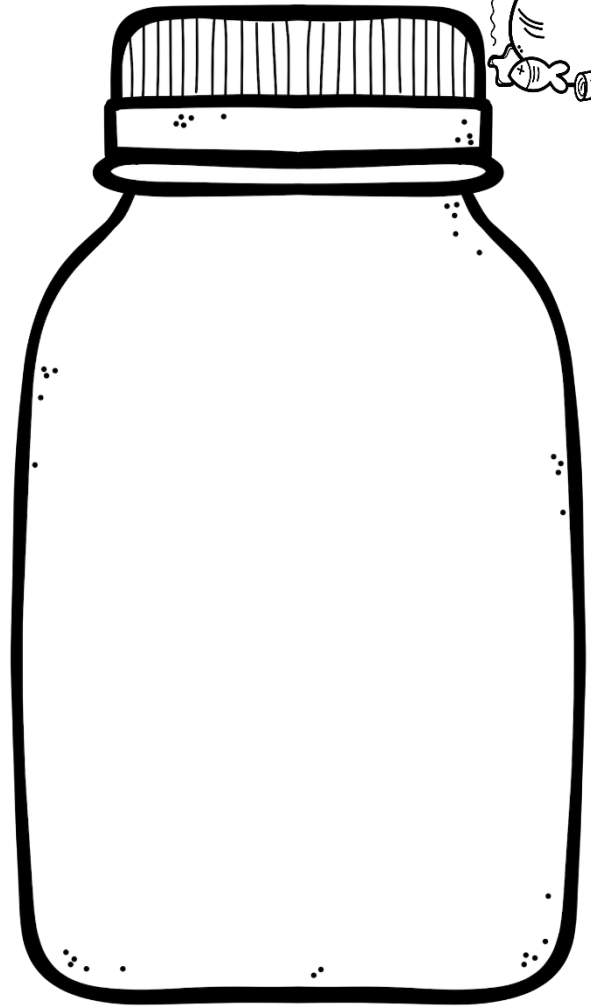
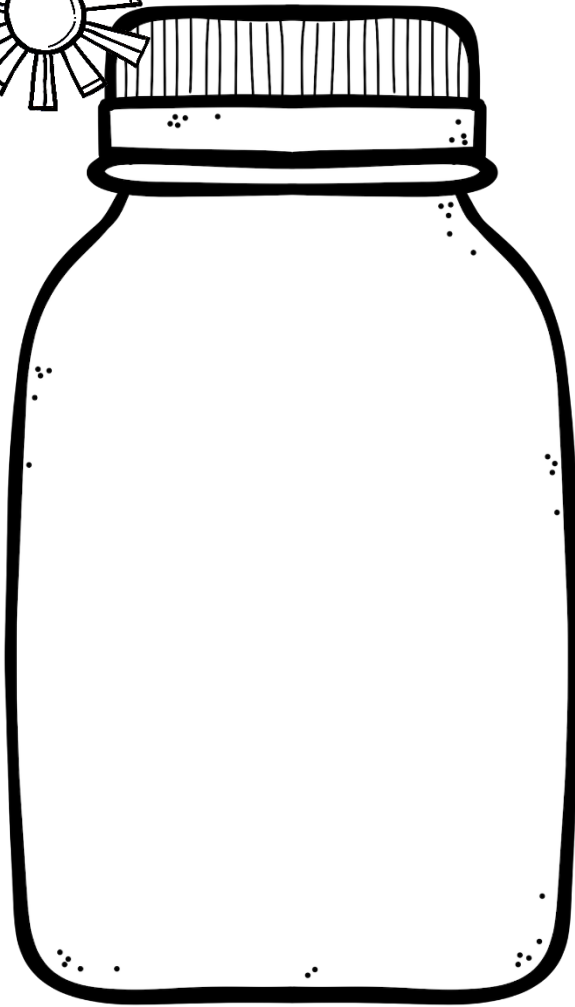
Name: _____

POLLUTION Observations

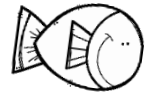


Clean

Polluted



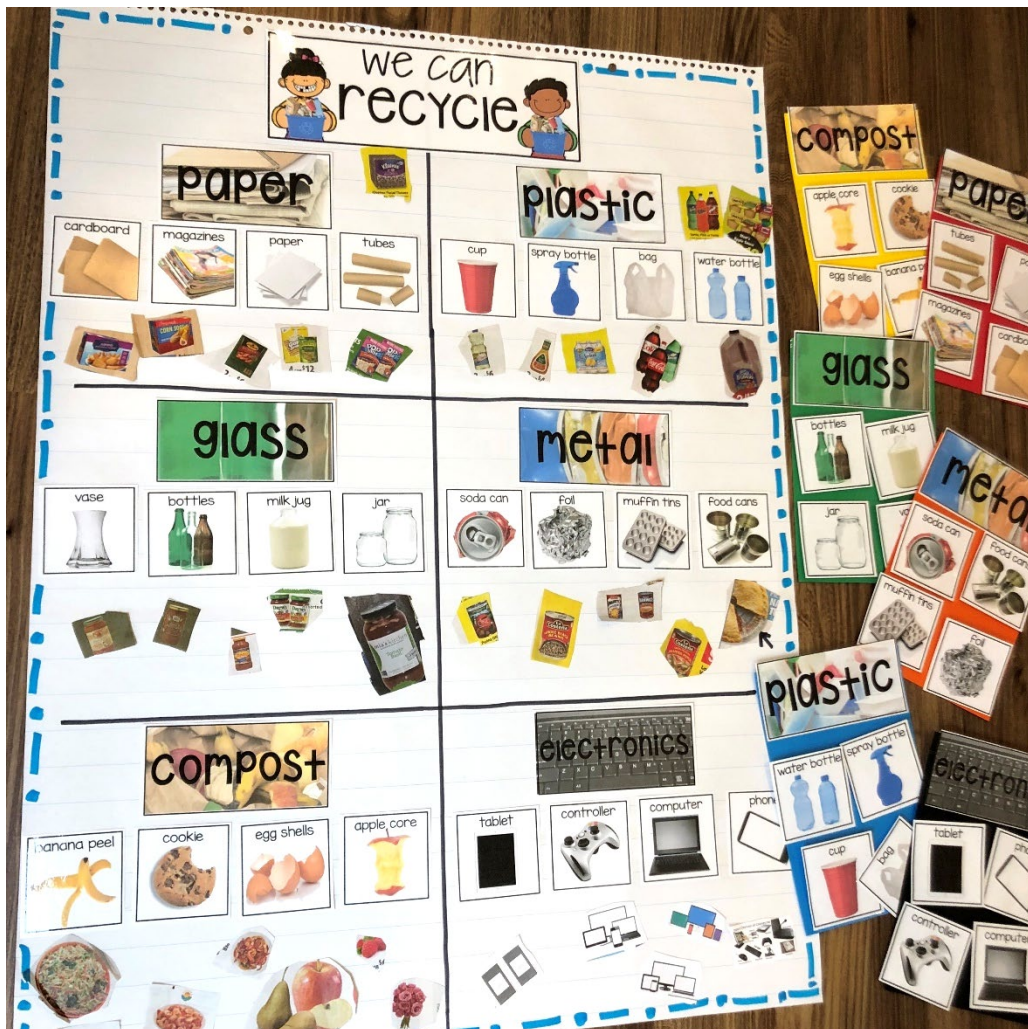
How do the animals feel?



RECYCLING ANCHOR CHART & SORTING BOARD

Create this recycling anchor chart as you go through the science unit or do it at the end as a culminating activity.

Each category has four items to go under it. After you place those under the category, write students' ideas under it, or have students cut out items from magazines and place the items on the chart.



SORTING MINI CHARTS OR FILE FOLDER SORT

Laminate the recycling pages. Glue the header to a piece of paper. Attach the object cards with Velcro for students to sort.



RECYCLING WORKSHEET

After you do one as a class, students can break up into small groups or pairs and do their own recycling worksheets or magazine collage.



We can
recycle



plastic

cup



bag



spray bottle



water bottle



vase



milk jug



jar



bottles



glass

paper

paper



tubes



magazines



cardboard



food cans



soda can



muffin tins



foil



compost

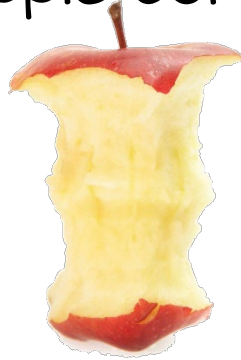
egg shells



cookie



apple core

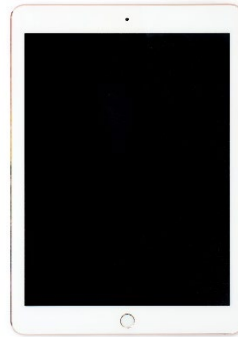


banana peel



electronics

tablet



computer



controller



phone

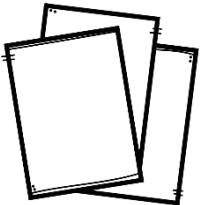


Name: _____

Sort the Trash



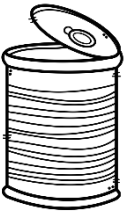
plastic



paper



glass



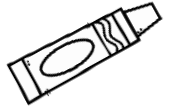
metal



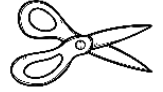
compost

Directions:

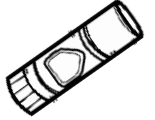
1. Color



2. Cut



3. Paste



foil



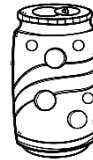
watermelon



bag



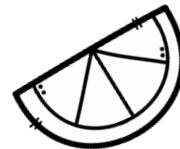
jar



can



bottle



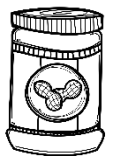
orange



tube



glass



jar



Name: _____

Sort the Trash

Directions: Cut, sort, glue.

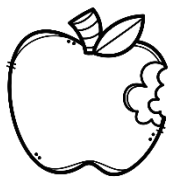
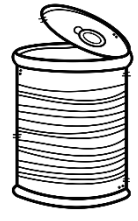
glass



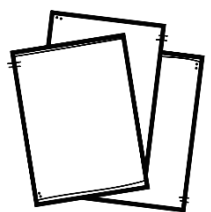
plastic



metal



compost



paper

TAKE CARE OF THE ENVIRONMENT CIRCLE MAPS

Talk and describe all the ways we can help the environment and take care of our Earth. Have the vocabulary cards next to you to use during the discussion.

Circle Map

- Cut out the circle and glue to a piece of paper. It would be amazing to make it the shape of a heart ☺
- Write students' ideas, generalizations, and conclusions around the circle.
- Draw conclusions and generalizations (you or student can).
- This is a fun way to collaborate and share ideas, generalizations, and conclusions based on their experiences.





Help the environment circle anchor chart.

Name: _____

Fill in the circle map with words and pictures to describe how you can help the environment.



REUSE ACTIVITIES

Here are some fun activities you can do to teach students how to reuse materials.

Activities:

Lid Letters or Numbers

- Use the lids families collected to make math or literacy manipulatives! Just write (you or your students) letters or numbers on the lids with a paint pen or permanent marker. You can also put a sticker on top.

Treasure Jars

- Collect jars, baby food jars, applesauce cups, pudding cups, ice cream cups, or any small cups/jars. Paint the cup and let it dry. Decorate it by gluing foam shapes, sequins, or gems to the outside.

Recycled Crayons

- Collect old crayons from around the classroom. Students can peel the paper off and break the crayons into small pieces. Place the broken crayons in silicone baking molds on a cookie tray. Bake at 250 degrees. The time will depend on the mold you choose. When you take the molds out of the oven make sure you let them fully cool (30-60 minutes to cool).



BOOK:

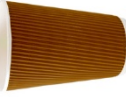
Use the book many ways.

- Print the book and read it during circle time
- Print the book and place it in the science center
- Print the book smaller if you have a small science center (see printing directions on page 2)



REUSE IT! RECYCLE IT!





Trash is made up of paper,
glass, metals, plastics, food, and
electronics.

When
something
is recycled
it is made
into
something
new.



Things made from paper,
plastic, metal, and glass can be
recycled.

It takes
about six
months for
the
compost to
be made.



Food and yard waste can be
mixed with dirt to create
compost.



When you
reuse
something
you use it
over and
over again.



Reuse items to create less
trash. Try using reusable water
bottles and cloth bags.



You can
donate
your old
toys and
clothes for
someone
new to use.

Things we don't need or want
anymore can be donated and
reused by another family.



Landfills
are piles of
and piles of
garbage.

All the things that are not
recycled or reused go into a
landfill.



The
environment
is all the
plants,
animals, and
the world
around us.

The more trash we create the
more trash there is in our
environment.



Pollution can
make the
plants,
animals, and
people sick.

The trash can pollute the air,
land, and water which hurts
the environment.

The less
trash we
create the
more it
helps the
environment.



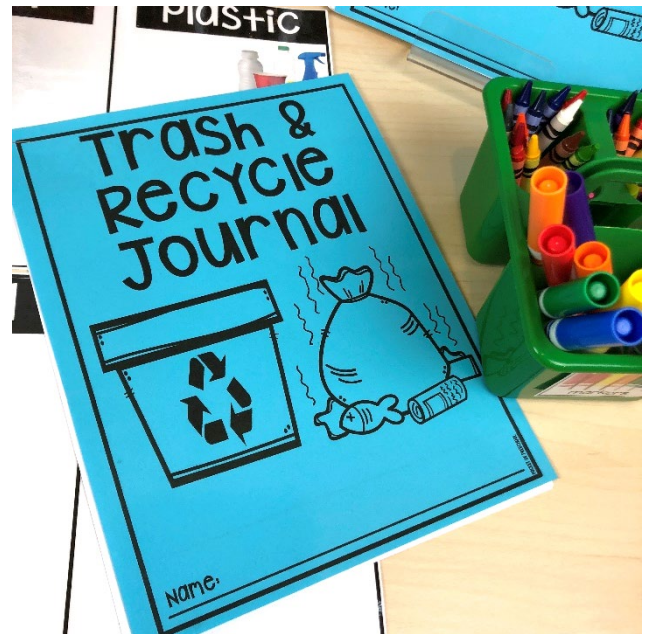
When we recycle, reduce, and
reuse items we help keep our
environment clean.

JOURNAL & DISCOVERY PAGES

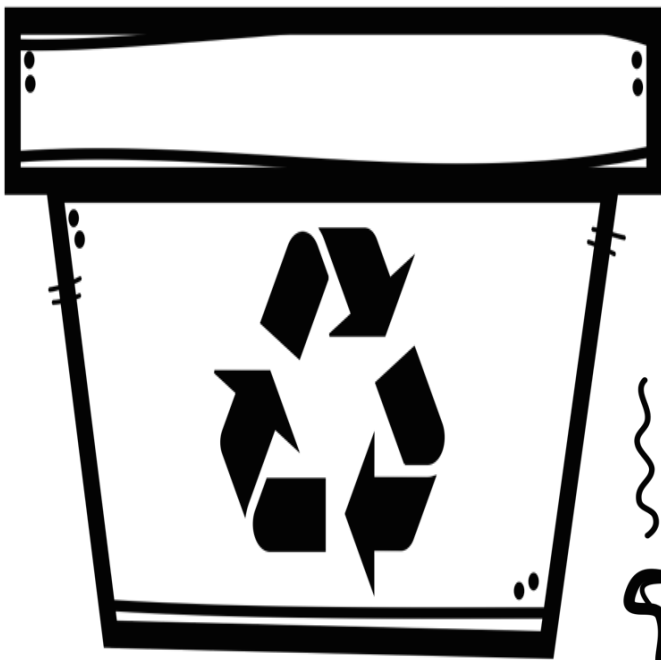
Discovery pages and journals are an easy way to add literacy into the science center and to get students communicating their thoughts and ideas! There are many ways to use the discovery pages!

Options:

- Make a journal for each child
- Make a class journal
- Post students' completed discovery pages on the wall
- Use for reflection pages after experiments
- Just place on the science table or shelf

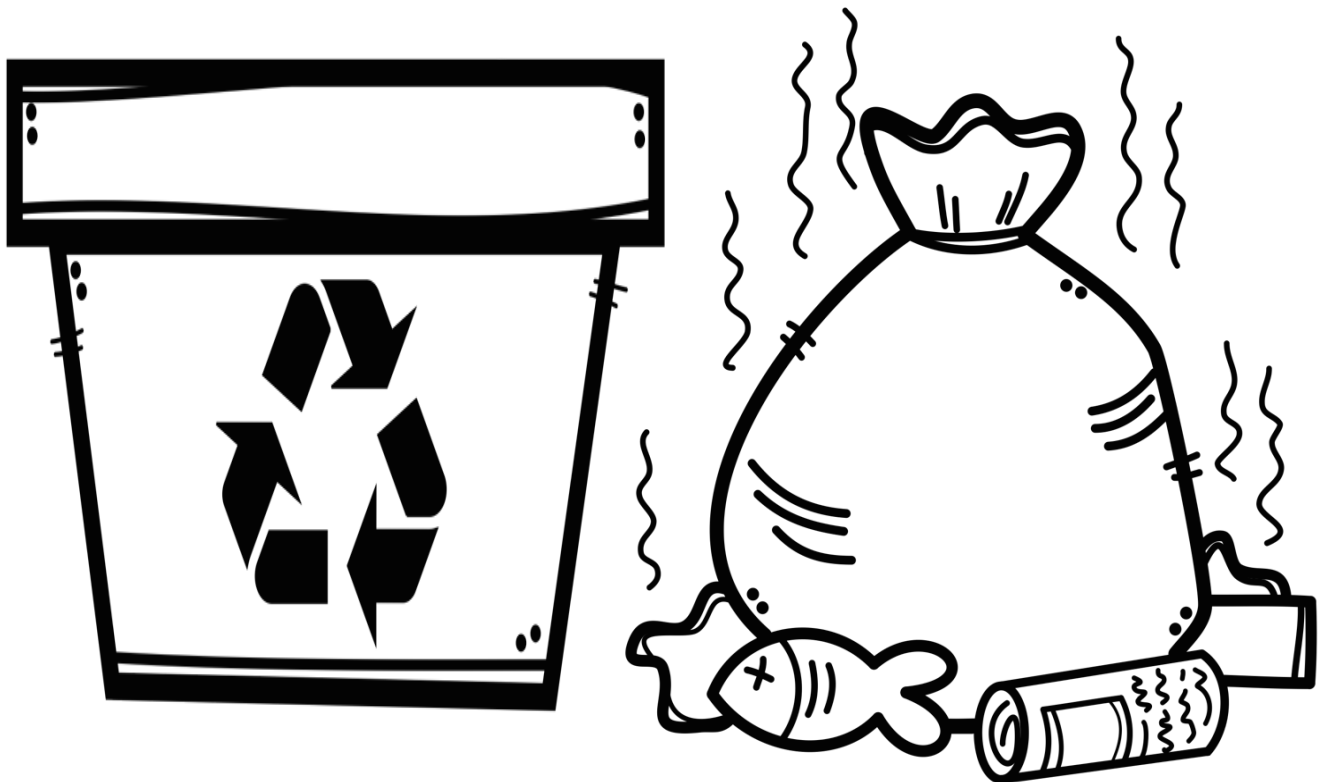


Trash & Recycle Journal



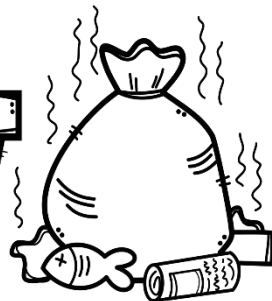
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Trash & Recycle Journal



Name: _____

MY Trash & RECYCLE Journal



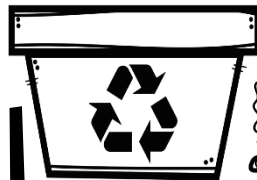
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MY Trash & RECYCLE Journal



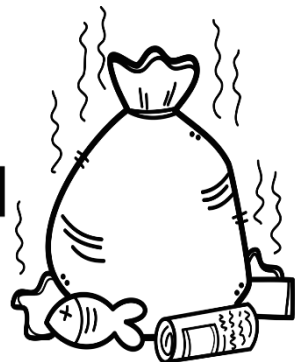
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MY Trash & RECYCLE Journal



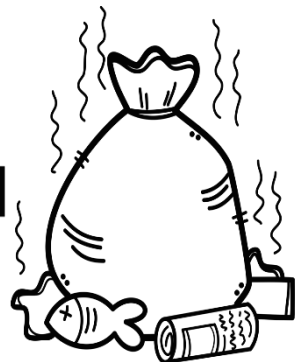
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MY Trash & Recycle Discoveries



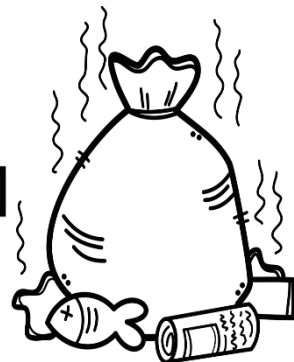
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MY Trash & Recycle Discoveries



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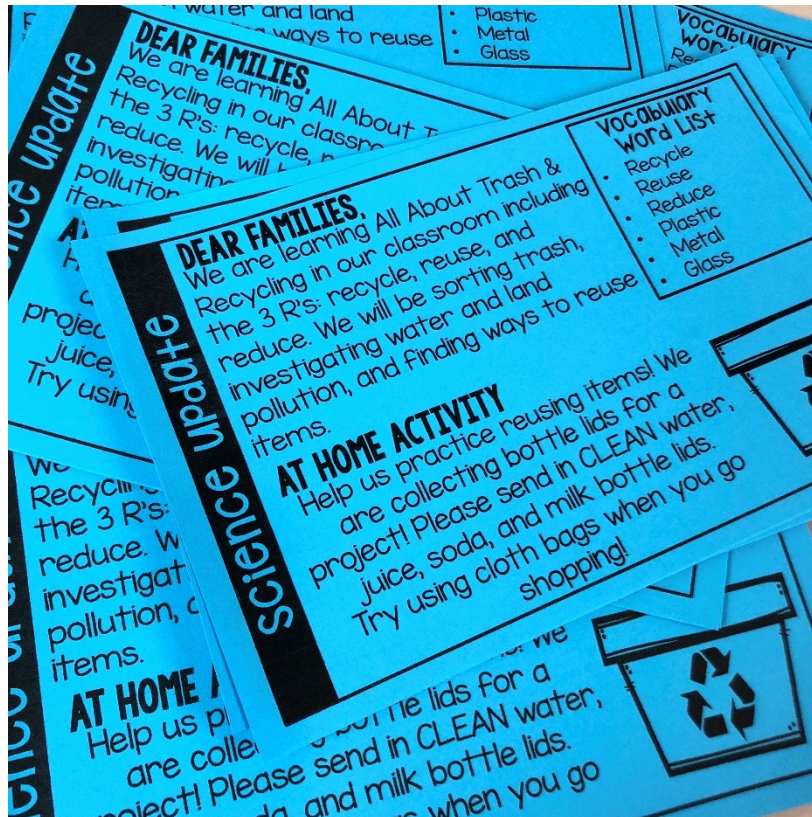
MY Trash & Recycle Discoveries



NOTE HOME:

Send home the parent note to inform families of what exciting science things their child is learning about at school. It's a great way to strengthen the home school connection.

The note includes a snippet about the science topic, a few vocabulary words, and an activity they can do at home to continue the learning!



DEAR FAMILIES,

We are learning All About Trash & Recycling in our classroom including the 3 R's: recycle, reuse, and reduce. We will be sorting trash, investigating water and land pollution, and finding ways to reuse items.

AT HOME ACTIVITY

Help us practice reusing items! We are collecting bottle lids for a project! Please send in CLEAN water, juice, soda, and milk bottle lids. Try using cloth bags when you go shopping!

Vocabulary Word List

- Recycle
- Reuse
- Reduce
- Plastic
- Metal
- Glass



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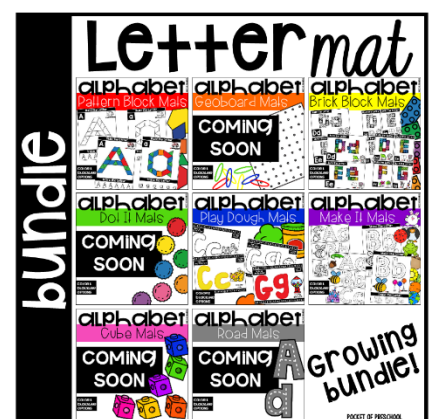
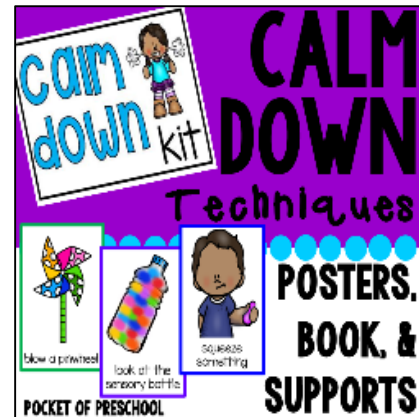
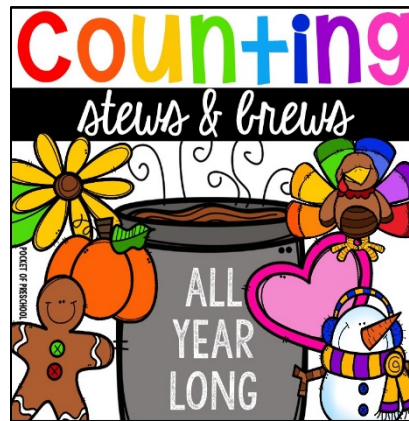
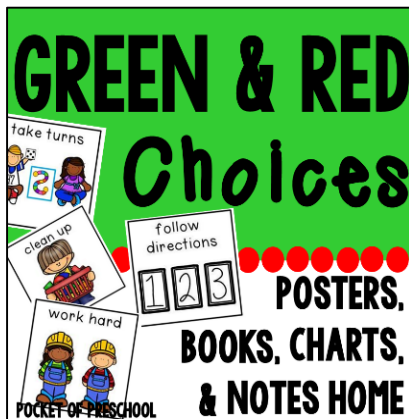
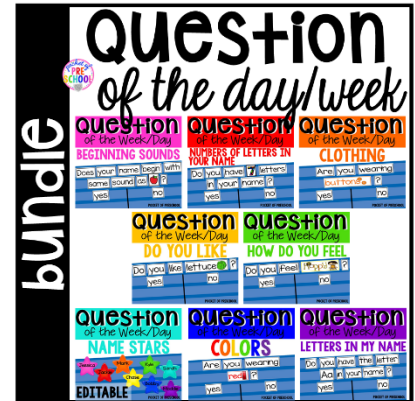
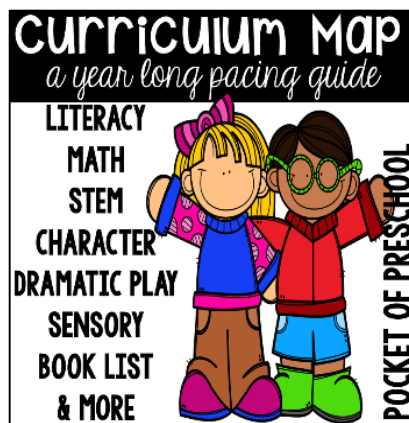
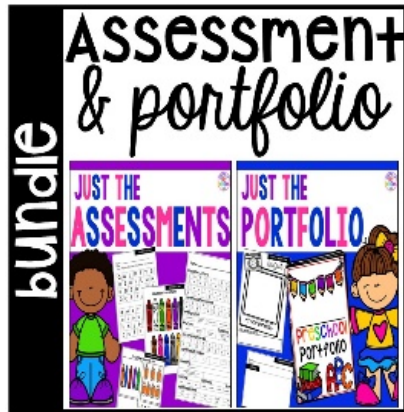
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- Reduce
- Plastic
- Metal
- Glass





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