Water's the Matter!

1st Grade Science Unit

Retrieved 4/25/2014 from: http://ww2.valdosta.edu/~dnshaner/ebook5.html

Created by Marilyn Schmid

February 2014

Pre & Post Assessment

(Note: The pre-assessment and post-assessment are the same and were created by Marilyn Schmid.)

Name: _____ Date: _____

Water's the Matter! Science Unit

1.

matter	not matter

2.

solid	liquid	gas

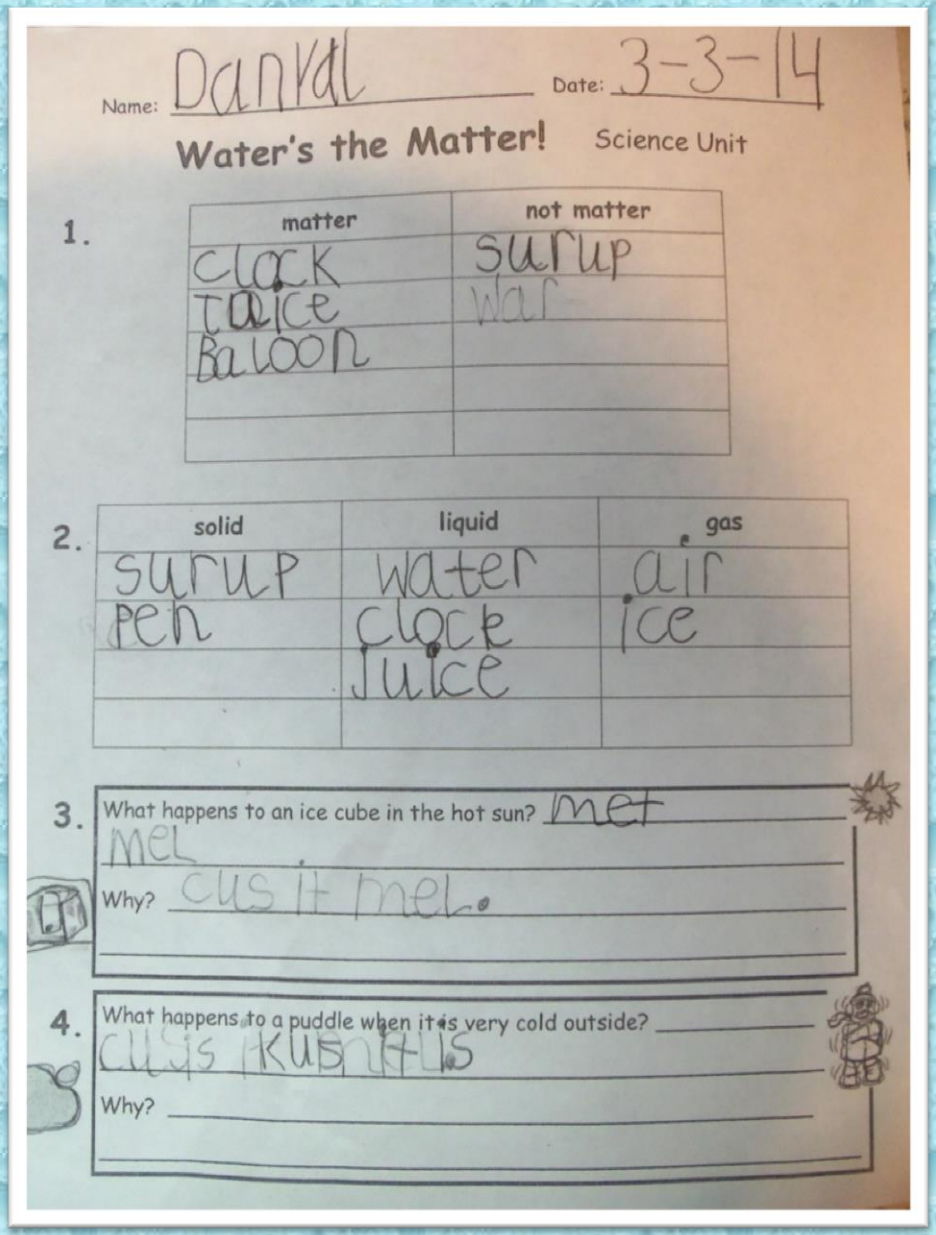
3. What happens to an ice cube in the hot sun? _____

Why? _____

4. What happens to a puddle when it is very cold outside? _____

Why? _____

Lesson 1: Pre-Assessment Student Sample



Name: Danyal Date: 3-3-14

Water's the Matter! Science Unit

1.

matter	not matter
clock	surup
Tajice	war
Baloon	

2.

solid	liquid	gas
surup	water	air
pen	clock	ice
	juice	

3. What happens to an ice cube in the hot sun? met mel

Why? cus it mel.

4. What happens to a puddle when it is very cold outside? cus is kus it is

Why?

Lesson 2: What happened to my ice cube?

(Note: This activity sheet was developed by Marilyn Schmid.)

Name: _____ Date: _____

What happened to my ice cube?

Before

After

I want to know . . .

_____

_____

_____

_____

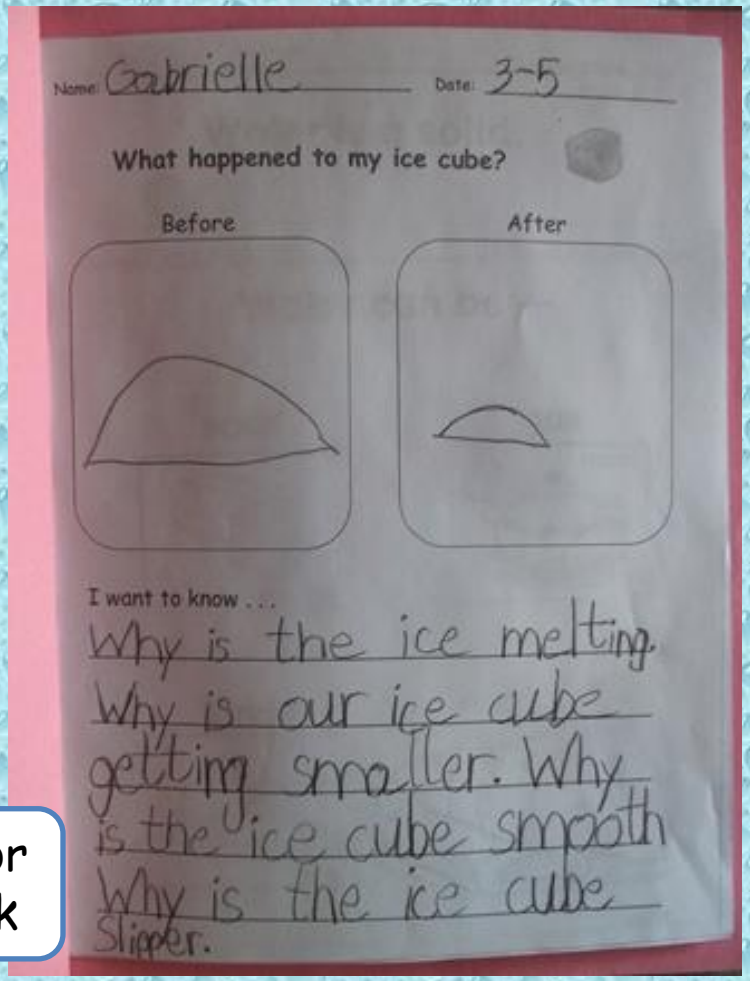
_____

Lesson 2: What happened to my ice cube? (cont.)

Introduction to *Water's the Matter!* Unit . . .
Creating engagement through inquiry!

Student work

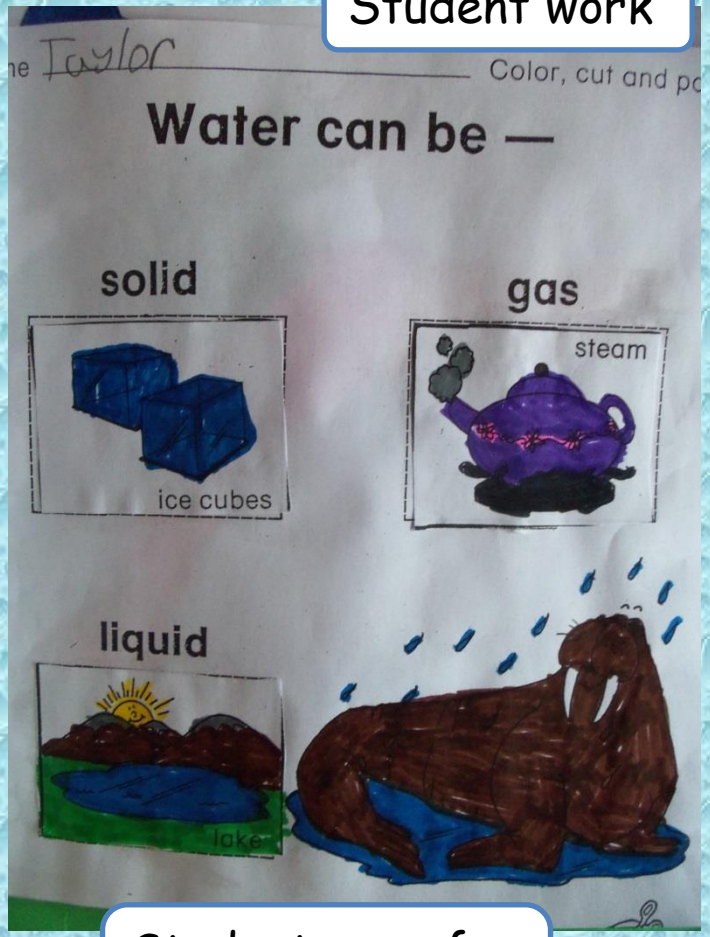
Student page for *My Matter* book



Each student was given a baggie with an ice cube to explore . . . and questions were generated. The hook into the *Water's the Matter!* Unit was created!

Lesson 3: States of Matter

Student work



Student page for *My Matter* book

States of Matter Song

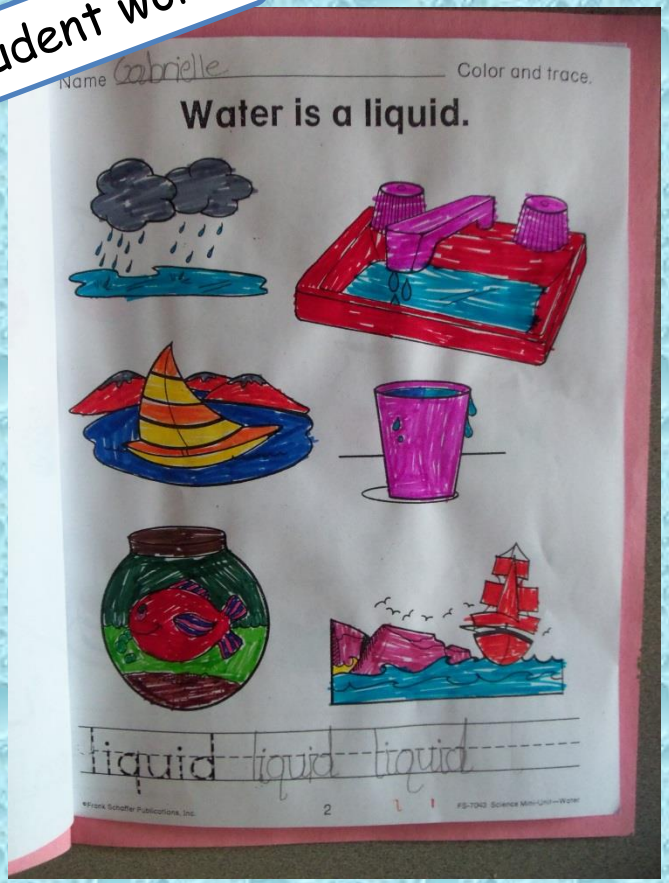
States of Matter

Solid, Liquid, Gas,
Solid, Liquid, Gas,
The three states of matter,
The three states of matter,
Everything is matter,
Everything is matter,
Molecules,
Molecules.

This *States of Matter* song became such a hit that our students sang it over the PA system for the entire school! They were awesome!

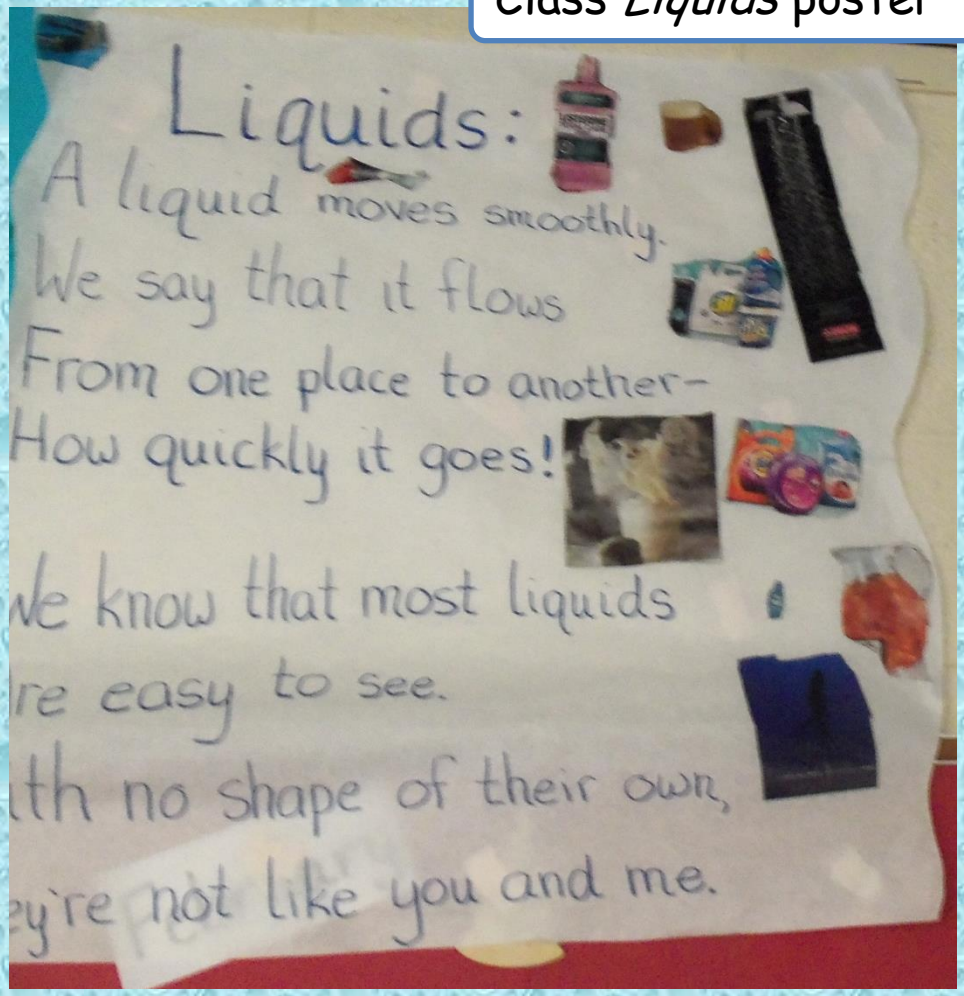
Lesson 4: Water as a Liquid

Student work



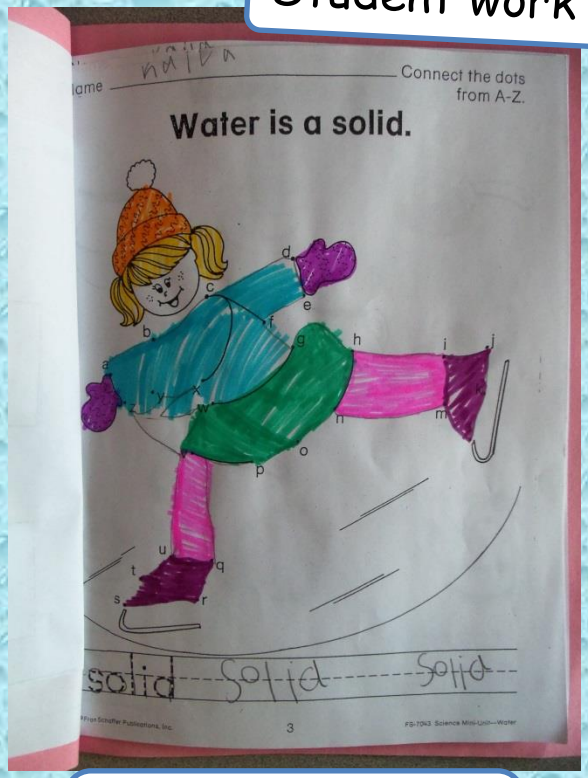
Student page for *My Matter* book

Class *Liquids* poster



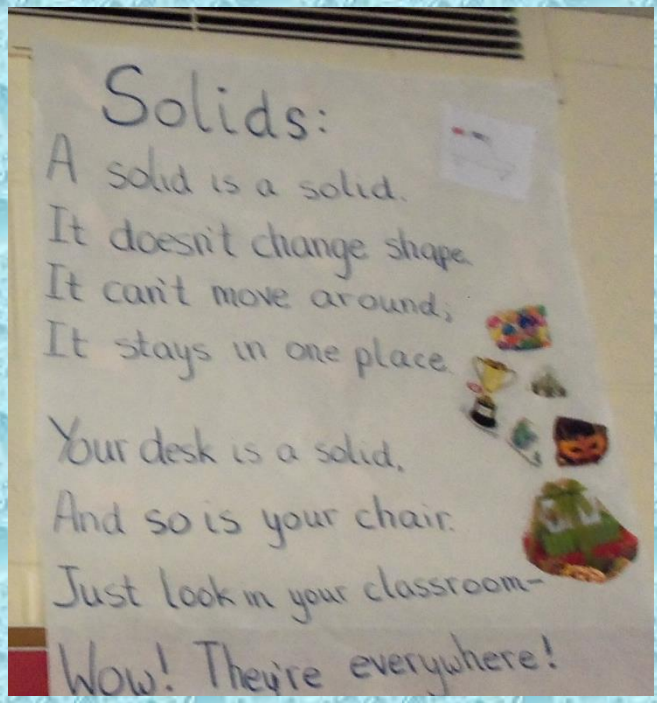
Lesson 5: Water as a Solid

Student work



Student page for *My Matter* book

Water as a solid . . .
Frozen water balloon!



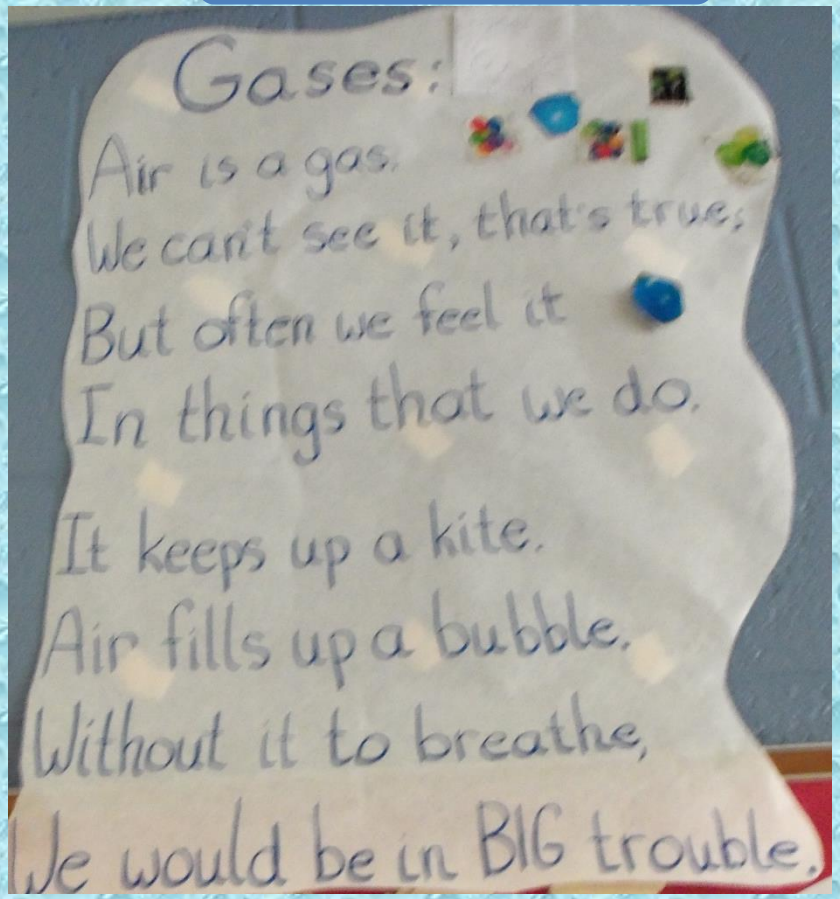
Class *Solids* poster

Lesson 6: Water as a Gas

Student work

Student page for *My Matter* book

Class *Gases* poster



Lesson 7: Changing the States of Matter

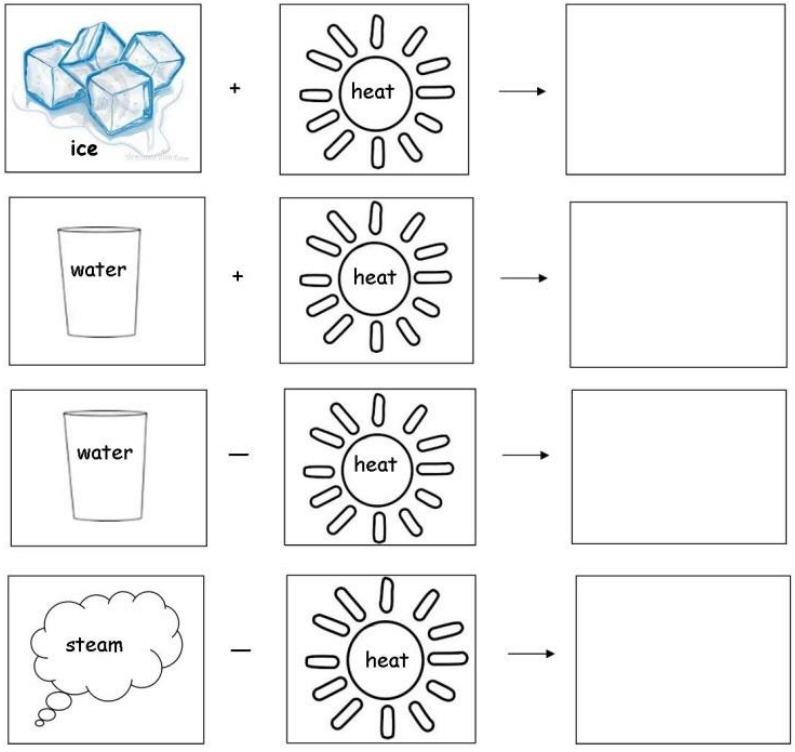
Ice cubes in an electric frying pan!
Solid -> Liquid -> Gas

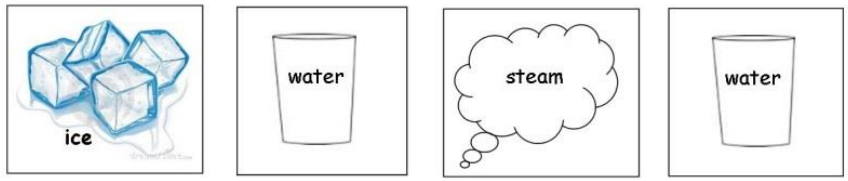
Lesson 7: Changing the States of Matter (cont.)

Name: _____ Date: _____

Changing the States of Matter

Adding or taking away heat can change the state of matter. Cut out the 4 pictures at the bottom of this page. Glue each picture into the correct blank box. Color.

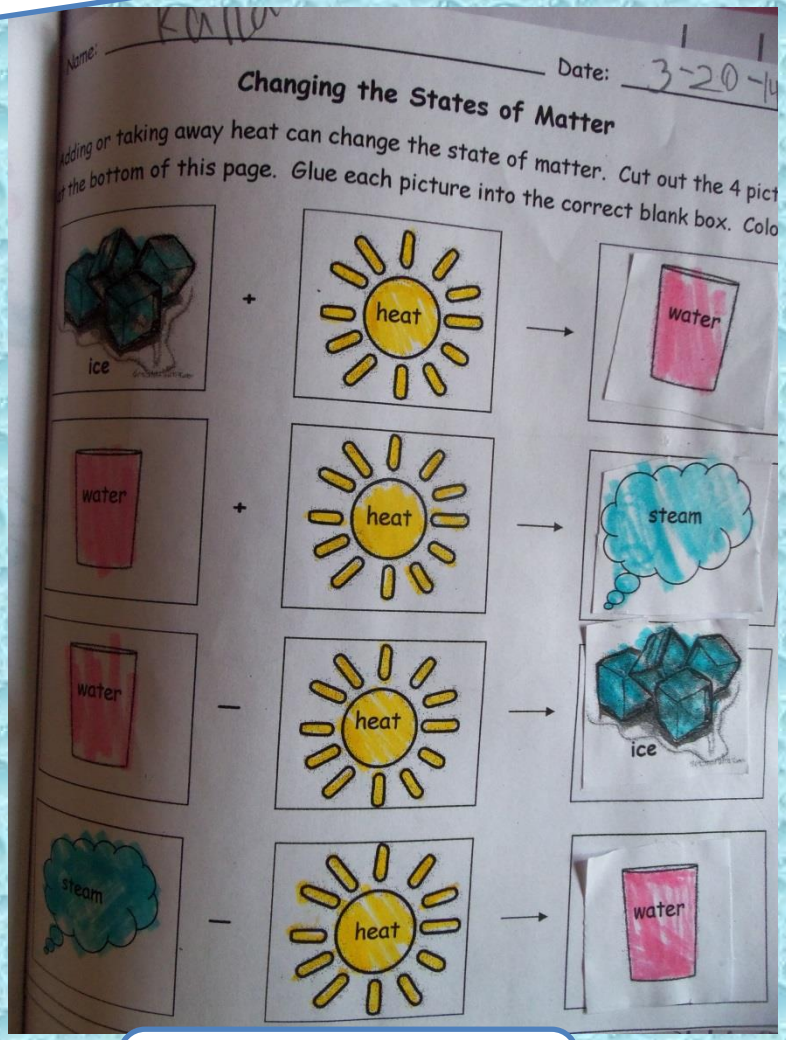




(Note: This activity sheet was designed by Marilyn Schmid.)

Lesson 7: Changing the States of Matter (cont.)

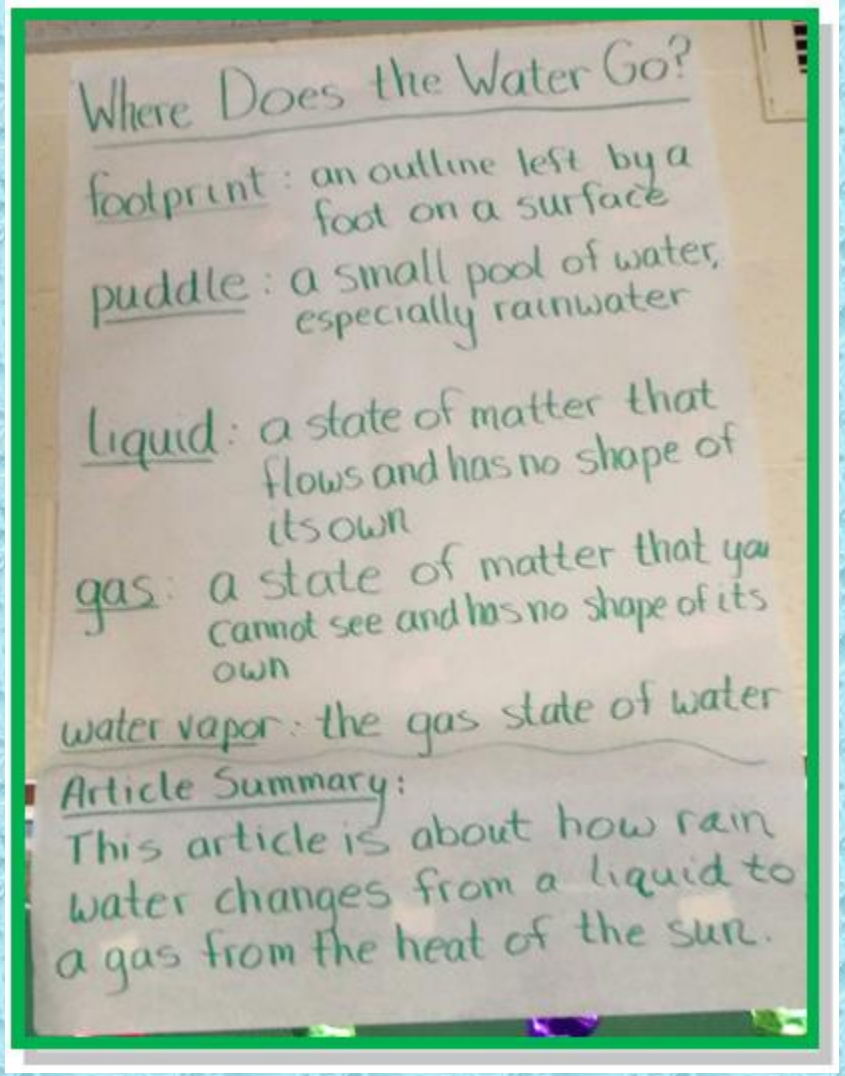
Student work



Student page for *My Matter* book

What happened to our frozen balloon?
Solid -> Liquid -> Gas

Lesson 8: Close & Critical Reading
Where Does the Water Go?



Integrating Language Arts and Science!

Lesson 9: Molecules & More

We invited Mrs. Kurzawa's 4th grade class to join us for some *Matter* fun!

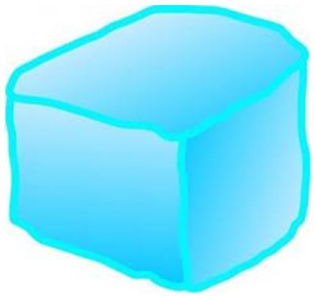
States of Matter Sort – Solid, Liquid, or Gas?

Gluing Cheerios for molecules!

Lesson 9: Molecules & More (cont.)

Name: _____ Date: _____

States of Matter—Water



_____ _____ _____

_____ _____ _____

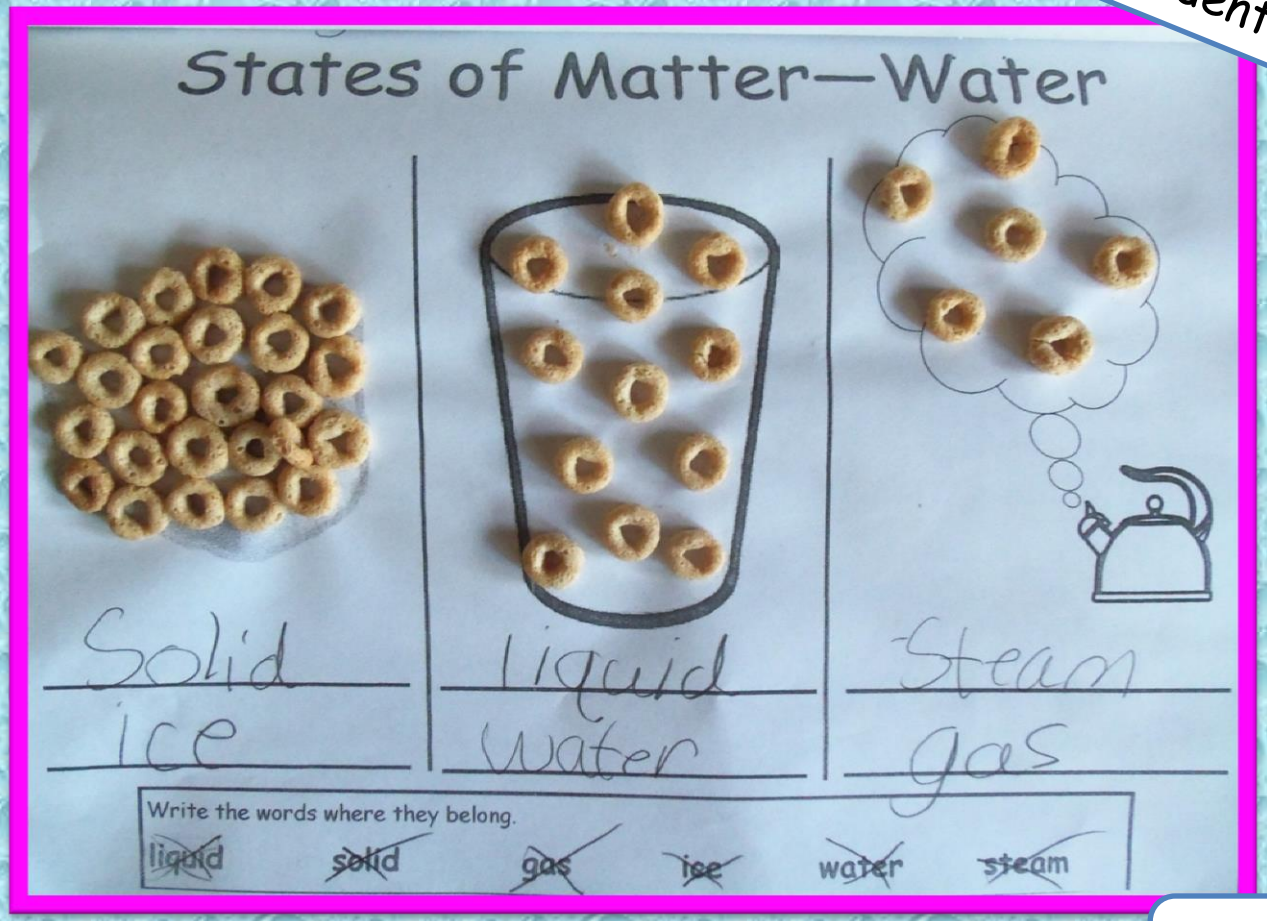
Write the words where they belong.

liquid **solid** **gas** **ice** **water** **steam**

(Note: This activity sheet was designed by Marilyn Schmid.)

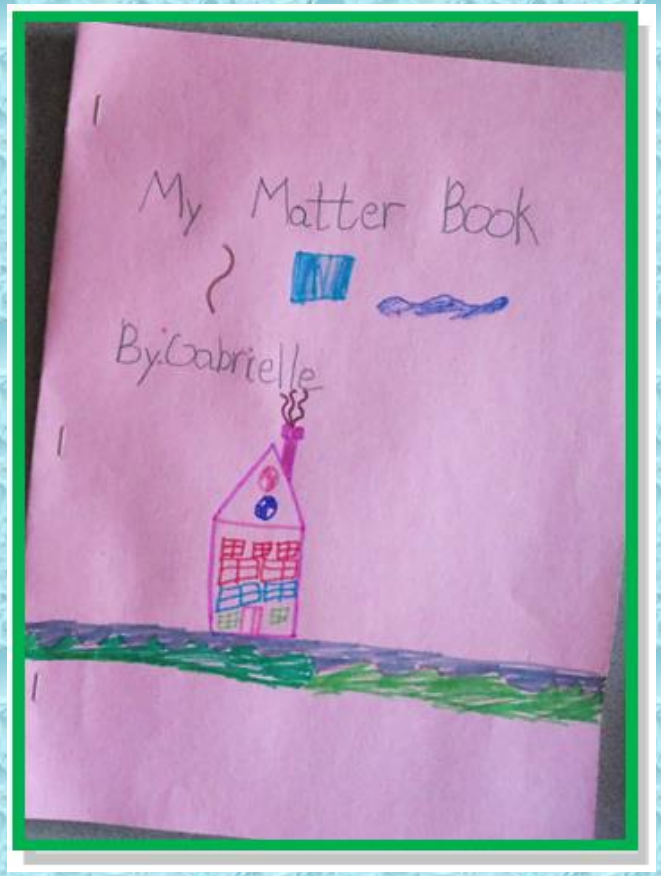
Lesson 9: Molecules & More (cont.)

Student work



Student page for *My Matter* book

Lesson 10: Unit Wrap-up!



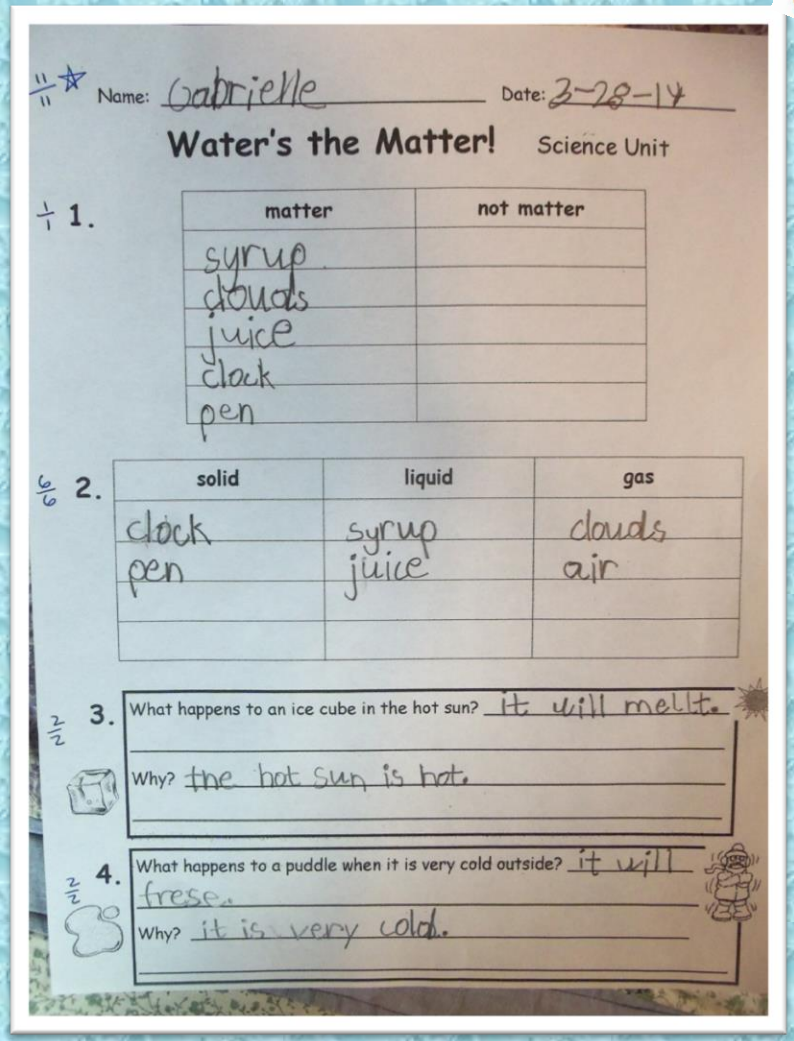
My Matter Books . . .
used as the Performance Assessment for the *Water's the Matter!* Science Unit.

Student work

Lesson 10: Unit Wrap-up! (cont.)

My Matter Books . . .
proudly displayed on student desks for parent-teacher conferences.

Lesson 11: Post-Assessment Student Samples



Name: Gabrielle Date: 3-28-14

Water's the Matter! Science Unit

1.

matter	not matter
syrup	
clouds	
juice	
clock	
pen	

2.

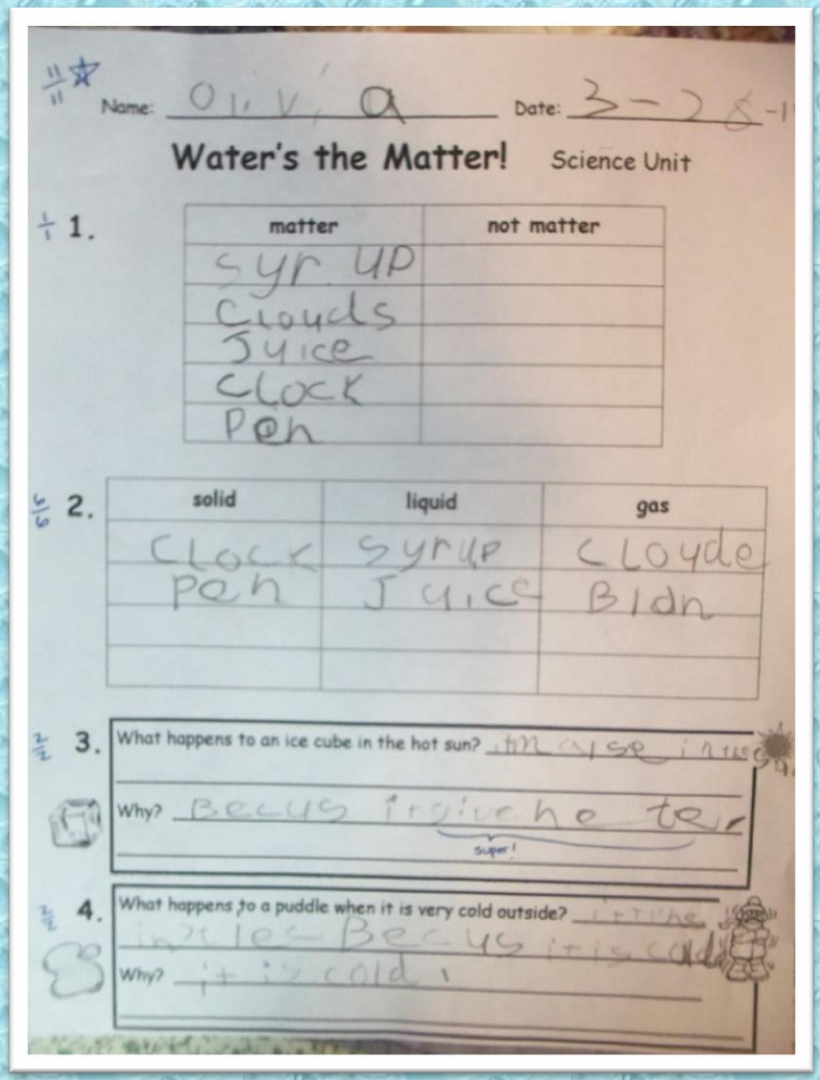
solid	liquid	gas
clock	syrup	clouds
pen	juice	air

3. What happens to an ice cube in the hot sun? it will melt.

Why? the hot sun is hot.

4. What happens to a puddle when it is very cold outside? it will frese.

Why? it is very cold.



Name: O, V, A Date: 3-28-14

Water's the Matter! Science Unit

1.

matter	not matter
syr up	
Clouds	
Juice	
Clock	
Pen	

2.

solid	liquid	gas
Clock	syrup	Cloude
Pen	Juice	Bldn

3. What happens to an ice cube in the hot sun? it rise in the

Why? Becus it give he ter

Super!

4. What happens to a puddle when it is very cold outside? it the in ice Becus it is cold

Why? it is cold.

Lesson 11: Popsicle Eating!

Wrapping up our *Water's the Matter!* Science Unit with homemade juice popsicles! Fun!

Liquid -> Solid

Teaching the *Water's the Matter!* Science Unit that I developed using the "backward design" approach was one of my student teaching highlights!

Thank you for your interest!