

WHAT'S INCLUDED?

created by Whitney Shaddock, the first grade roundup

3 kinder
science units

lesson plans

objective
cards

vocab
matching cards

anchor charts

NEXT GEN MEGA BUNDLE

ten, K-2 science units

created by Whitney Shaddock, the first grade roundup



STEM
challenges

hands-on
activities

exploration
station labs

science
experiments

printables

ALIGNED TO KINDER NEXT GEN SCIENCE STANDARDS

created by Whitney Shaddock, the first grade roundup

force + motion

K.PS2.1, K.PS2.2

weather

K.ESS2.1, K.ESS2.1, K.ESS3.2

habitats

K.LS1.1, K.ESS2.2, K.ESS3.1,
K.ESS3.3, K.PS3.2

UNIT OVERVIEW + LESSON PLANS + OBJECTIVES

created by Whitney Shaddock, the first grade roundup

Force: Week 1

Essential Question: What causes an object to move?

DAY 1 (30 min): Make it move. Sit in a circle and get a toy car and put it in your "standing spot" in the middle of the carpet. Say, "This car is in my way! I need to stand right here. But when I tell it to move, it won't move. Why not?" Talk about that it's an object and not alive. So, it can't just decide to move. Say, "If it won't move on its own, then what can I do?" How can I move it out of my way? Have students give ideas. Try each idea out. Does that make it move? Make a list of ways to make the object move. Write each force on a sticky note with an illustration to help your pre-readers. If your class can handle it, put them in partners with a toy car or foam ball and have them explore ways to make it move. They can practice some of the ways you listed as a class or their own. TIP: Make the rule that they toy must stay on the ground. Come back together and discuss and add to your chart. **Guiding questions:** How can I get the object to move? Does that work? Why?

DAY 2 (20 min): Force. Review the Move It! chart. Introduce Force as the action that by Lynne Mayer and Focus on the Forces the boy uses to move objects. Stop throughout to read the book. **Guiding questions:** What kind of Force did the boy use to move ____? What was the effect? Both writing prompts are available and can be stapled together to make a class book. Check out the book.

DAY 3 (30 min): Push or Pull. Review the idea of Force and the lists of Forces used to understand of Force by explaining that a Force is either a push or a pull on an object. Push is you. Pull is a Force that moves the object closer. Look at the list of Forces you made on day 1. Force Move that sticky note to the Push/Pull sorting anchor charts. Reinforce the difference between push and pull activity sheet and have them sort each picture as a push or pull. **Guiding questions:** Is this a push or pull?

DAY 4 (20 min): Gravity. This can be done whole group as guided practice at desks to follow the directions for this experiment. After the tests are complete, watch this video about gravity and write a sentence about gravity together: "Gravity pulls things down."

DAY 5 (45 min): Force Exploration Stations. Set up the exploration stations at each table. Today you will rotate through exploration stations to learn about Force and how it affects objects you are using and how it affects the objects so we can share after stations. Groups of four kids, timer depending on your kids. Groups will rotate through each table after the timer goes off. After come together as a whole group and talk about what they discovered-highlighting and reinforcing observations on the Force Observations chart. **Blog Post:** <https://www.thefirstgradefirstgrade.com/>

I can tell what causes an object to move.



in list ways to move an object.



Force + Motion Unit Outline

Big Idea: Forces can cause objects to move in different ways.

Week 1: What causes an object to move?

Week 2: What can change or affect motion?

Week 3: STEM Challenge: Rollercoaster

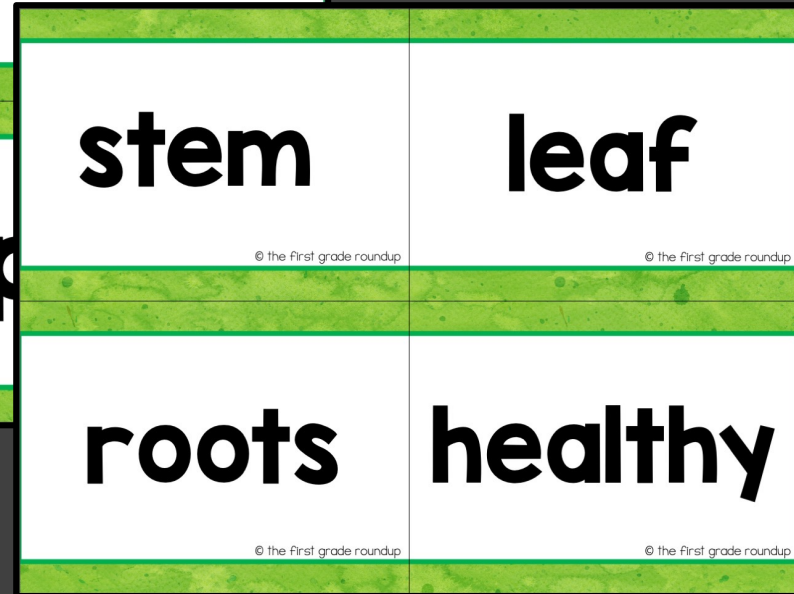
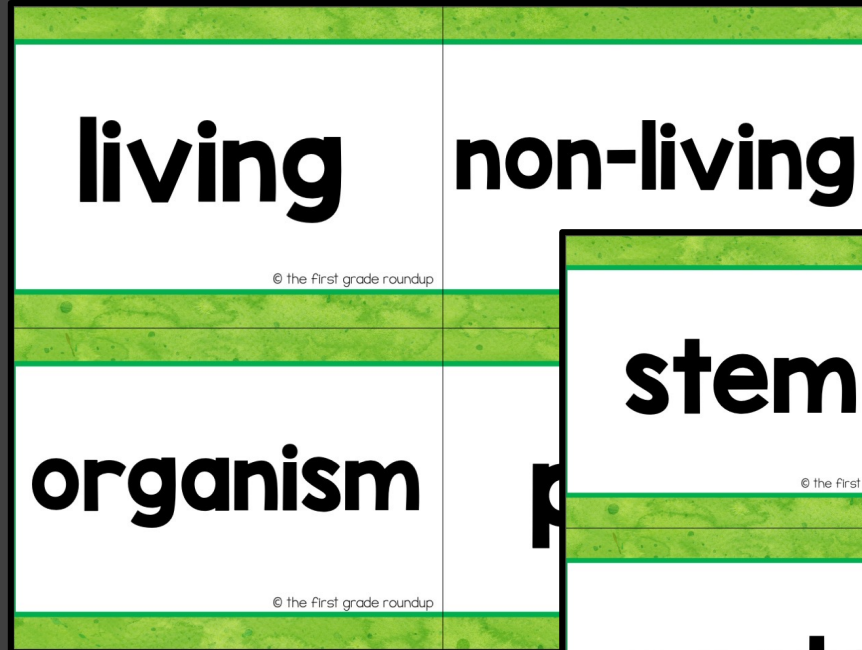
ACADEMIC VOCABULARY CARDS

created by Whitney Shaddock, the first grade roundup

Use these to...

- introduce vocabulary
- post on a science vocab word wall.

For kinder, there are no definition cards...only word cards. 😊

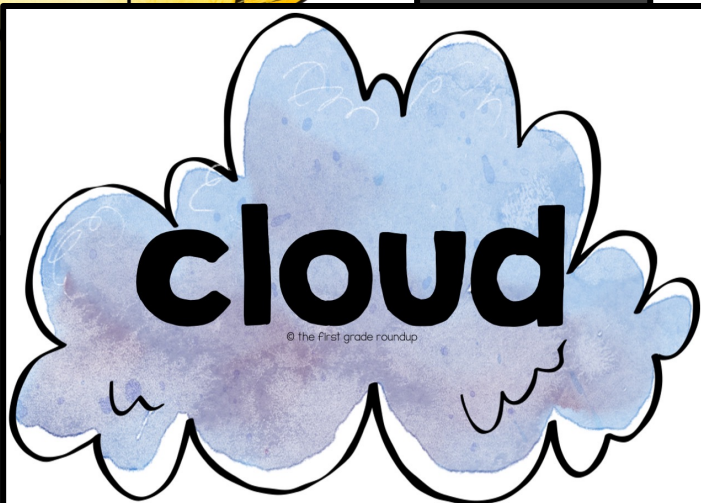


ANCHOR CHARTS IN COLOR AND BW TEMPLATES

created by Whitney Shaddock, the first grade roundup



Finished anchor chart:



MOTIONS I Make

© the first grade roundup



ANIMALS

can	have	need

© the first grade roundup

created by Whitney Shaddock, the first grade roundup

Name _____

FORCE + MOTION word find

© The First Graders

word list

- force
- motion
- push
- pull
- left
- right
- up
- down
- stop
- size
- strength
- roll
- slide

Is it a Pull or Push?

I can sort the pictures.

← →

Date: _____

PLANTS

© the First grade roundup

Name _____ Date _____

Creature Report: **PLANTS**

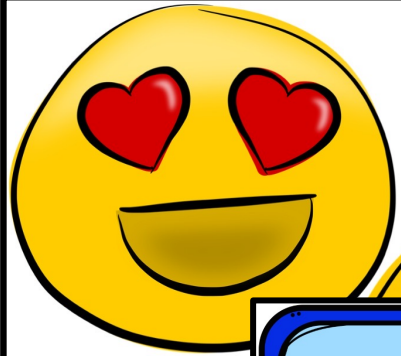


Below the title and icon, there are several horizontal lines for writing.

© the first grade roundup

HANDS-ON ACTIVITIES

created by Whitney Shaddock, the first grade roundup

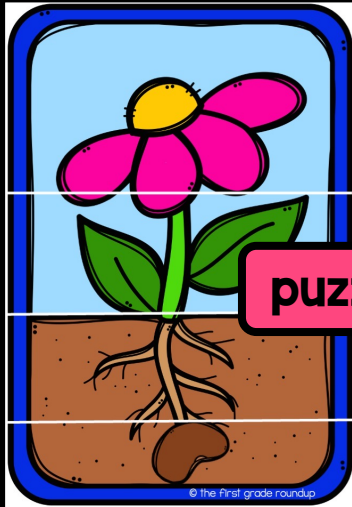


Happy & Sad Puppets:

Cut these out and laminate them. (There is also a Bw version for kids to color.)

Attach to a craft stick with faces on each side.

Students use while listening to stories about habitats changing to show positive and negative changes.



PLANT PUZZLE, level 1:

Cut apart and laminate. Let students put the puzzle together and then add the labels to label the parts.

flower

stem

leaf

roots

seed

puzzles

forest

© the first grade roundup



Habitats 4 Corners Game



squirrel



bear



fox



deer

© the first grade roundup

Habitats 4 Corners:

Cut out images and laminate. Give each student an animal. When you say go, they walk to the corner where their habitat is posted. Make multiple copies of each animal if you need more than what is given.

EXPLORATION STATIONS IN 3 OF THE UNITS

created by Whitney Shaddock, the first grade roundup



STEM CHALLENGES

created by Whitney Shaddock, the first grade roundup



What's the PROBLEM?

1 think



When Eduardo goes outside it is too bright. He needs something to provide him some shade and keep him cooler in the sun. What can you build for him to use to keep him shaded and cool?

© the first grade roundup



SCIENCE EXPERIMENTS

created by Whitney Shaddock, the first grade roundup

Name _____ Date _____

SCIENCE LAB: Will it Grow?

I can observe changes in the plant every couple of days and record my observations.

Date: _____ Date: _____

Date: _____ Date: _____

Habitats Labs

© the first grade roundup

Name _____ Date _____

SCIENCE LAB: Move It!

Materials: chair, book, ball, pencil, feather

Steps: 1. Stand on the chair. Jump off. What happens to you? Draw an arrow to show what happens.
2. Hold a book in the air. Let go. What happens to the book. Draw an arrow to show what happens.
3. Repeat with the other objects.

jump  **book**  **ball** 

Force & Motion Labs

pencil  **feather** 

conclusion

© the first grade roundup

Name _____ Date _____

SCIENCE LAB: Sunlight

Materials: sunscreen, sunlight, black construction paper

Steps: 1. Cut out the body outline copied on black paper
2. Put sunscreen on part of the body outline.
3. Put the paper body outside. Check in a few hours.

Weather Labs

© the first grade roundup

WHAT OTHER TEACHERS ARE SAYING

thefirstgraderoundup.com

These units are just what I needed to go with the science core. There are so many activities and they aligned very well with the NGSS. This resources saved me so much time.

~Lynne

My students found these to be very interactive and enjoyable. Thank you! I had everything I needed for Science at my fingertips.

~Catherine

This resource was very well detailed and aligned to the Next Generation Science Standards. The Units were organized nicely and all the content was very thought out. These Units really enhanced our science experience and helped the students explore each topic thoroughly. My students were fully immersed and engaged in the lessons.

~Lauren

FREQUENTLY ASKED QUESTIONS

thefirstgraderoundup.com

What is Next Gen Science?

The Next Gen Science standards are national science standards that were created several years back. You can find more information and details here: <https://www.nextgenscience.org/>

What resources will I need to teach these units?

There is a linked list of a handful of trade books suggested for each unit. You will also need common supplies for the activities like craft sticks, foil, construction paper, etc...

Is this an entire year of science curriculum?

This bundle covers ALL kindergarten Next Gen Science standards. However, it is only about 60 lessons, or 12 weeks worth. I teach Social Studies when we are not doing the NGSS lessons.

ABOUT THE AUTHOR

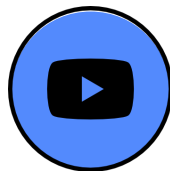
thefirstgraderoundup.com



Hey y'all! I'm Whitney Shaddock, the teacher author and blogger at the first grade roundup. I'm a National Board Certified teacher with my Masters Degree and have over 10 years of first grade experience in both high poverty and high wealth public schools. I've taught PreK Sunday School for over 17 years. I married my high school sweetheart in 2006. We were blessed with a beautiful boy in 2012 after years of infertility. In 2019, we adopted premie twins.

In 2011, I opened my TPT store. I love sharing real, practical resources I've tested and used in my own classroom. I am passionate about resources that align with the science of reading and full lesson plans and units to use in my classroom. Oh, and color coding is my love language! ☺

I love meeting new teachers, so let's connect!



EARN *FREE* RESOURCES

thefirstgraderoundup.com

Go to
My Purchases
Click
Leave a Review

Give **feedback**

Choose **use account balance** at checkout

Apply credits to get **FREE resources**

1

My Account

My Purchases

My Easel Library

Wish List

Gift Cards

2

Kids Toy Store Shopping Clip Art With Building and Toys

by Whimsy Clips ★ Following

Download

ZIP (Opening ZIP files, Printing tips)

View Receipt (03/14/22) | Printing Authorization

Last Opened 03/14/22 | Last Updated 08/08/18

Leave a Review

Buy More Licenses

1 User License Purchased ?

Report this resource

3

Use this resource for?

Distance learning with my students

In-class learning with my students

At-home learning with my child

My own purposes
e.g. decorate room, create new resource, plan lesson, track progress

Other

4

Account balance

Account balance: **\$2.95 USD**

\$ Enter an amount to redeem

Apply

DIGITAL PHONICS? YES, PLEASE!

Get FREE digital, **click & teach** phonics lessons delivered straight to your inbox.

thefirstgraderoundup.com



bit.ly/freephonics

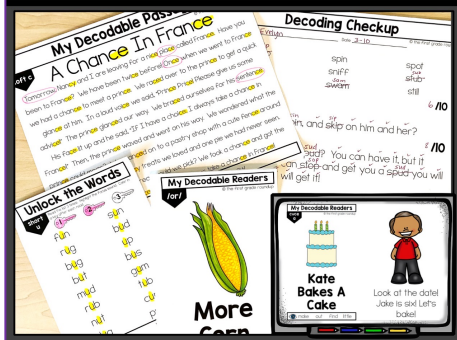


OTHER BESTSELLERS YOU'LL LOVE

thefirstgraderoundup.com

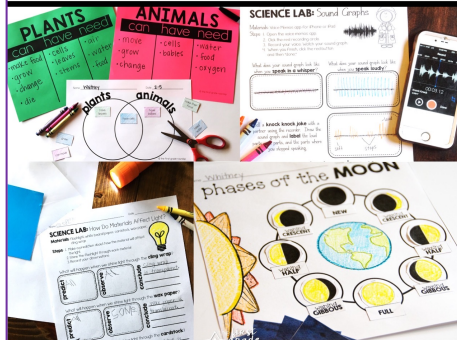
1ST GRADE DECODABLES

digital + printable texts
created by Whitney Shaddock, the first grade roundup



NEXT GEN SCIENCE BUNDLE

1st grade Units
created by Whitney Shaddock, the first grade roundup



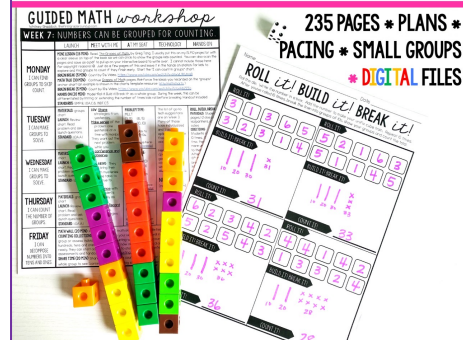
1ST GRADE PHONICS BUNDLE

a digital curriculum
created by Whitney Shaddock, the first grade roundup



GUIDED MATH WORKSHOP

1st Grade Lesson Plans
created by Whitney Shaddock, the first grade roundup



It pays to follow my store! All of my **NEW RESOURCES** are discounted up to half off for the first 48 hours. Follow my store to be the first to know when new resources are released.

TERMS OF USE & CREDITS

thefirstgraderoundup.com

© Whitney Shaddock, The First Grade Roundup. All rights reserved. Purchase of this resource entitles you the right to reproduce the pages for single classroom use only. Duplication for a colleague, school, district or commercial purposes is strictly prohibited. Copying any part of this product and placing it on the internet in any form (even a personal/classroom website) is strictly forbidden and is a violation of the Digital Millennium Copyright Act (DMCA). Thanks for respecting my hard work! 😊



Use with your students



Use on Zoom or Google Classroom with only your students



Purchase discounted multiple licenses for colleagues to use



DON'T Give to other teachers



DON'T use with Outschool



Sell this resource



Post this resource for FREE anywhere on the internet, including private district drives or websites.

Fonts & Clipart

Cara Carroll	Paula Kim Studios	Teaching in the
Kimberly GeSwein	Kate Hatfield	Tongass
Whimsy Clips	Creative Clips by	Adobe Stock
Educlips	Krista Walden	Pixabay