

# COLORS

## A SCIENCE UNIT

Teach your young learners all about colors & rainbows!

The collage features the following worksheets:

- MIXING COLORS**: Shows paint mixing and a color wheel.
- ALL ABOUT COLORS!**: Includes a name field and two blank boxes with plus signs for color observations.
- RAINBOWS**: Features a photo of a rainbow and a section titled "Can I Be Green?" with a prompt to "Color 5 things that are green" and illustrations of a pear, turtle, pig, dog, and plant.
- COLORS**: Displays a variety of colored markers.
- Color Sort**: A table with columns for "RED" and "BLUE" and a prompt to "Cut and paste the pictures for each group".
- Blue**: A section with a blue brushstroke, a blue bird, and the text "The bird is blue.", "The jeans are blue.", and "The sky is blue." with corresponding illustrations.
- I Know My Colors**: Shows three boxes of colorful crayons.
- COLOR WORD PRACTICE**: Includes a name field, the word "red" in a box, and sections for "READ 3 TIMES" (with stars 1, 2, 3), "TRACE IT", "RAINBOW IT", "WRITE IT", and "FIND IT" (with words: fed, read, red, red, red, redact).

*scroll*  
to take a  
peek  
inside

**PRE-K** 33 activities

# Here is what is included:

- ✔ Week-long lesson plans
- ✔ PowerPoints and printable posters
- ✔ Teacher resources to make instruction easier
- ✔ Hands-on, engaging science experiments
- ✔ Color mixing lessons and activities
- ✔ Rainbow craft and color word practice
- ✔ Sorts, worksheets, and emergent readers

...and SO much more!



# Take a Closer Look:

**PIPETTE ACTIVITY DIRECTIONS**

After learning about mixing colors, students will love exploring the concept on their own with this hands-on activity that doubles as fine-motor practice!

**MATERIALS**

- Pipettes/droppers
- Paint palettes
- Food coloring
- Water
- Cups, jars, or containers

**DIRECTIONS**

- 1) Add red, yellow, and blue food coloring to different containers or cups of water. Place on the tables where students can reach.
- 2) Give each student a pipette/dropper and a paint palette.
- 3) Encourage students to explore by dropping one color on their paint palette at a time and then adding another color to it.
- 4) While students are working and after they are done, encourage them to share what colors they made and what they noticed.

pipette activity

Have students make predictions on the provided recording sheets or discuss as a group.

Place two opposite-colored ice cubes into a jar. Add salt and a bit of water to help the ice cubes melt faster.

Watch as the ice melts and let students experiment with cubes of varying colors to different colors they can!

**MELTING ICE MAGIC**

This experiment is a fun and mess-free way to model color-mixing with students.

**SUPPLIES NEEDED**

- Cups or bowls
- Ice cube tray
- Food coloring
- Jars
- Salt

**SETTING UP**

- Add red, blue, and yellow food coloring into separate cups or bowls of water.
- Carefully pour the colored water into an ice cube tray and freeze overnight. Do not mix the colors.
- Once frozen keep colored ice cubes in trays or bags (separated by color) and frozen until ready to use with your students.

**DOING THE EXPERIMENT**

- Ask students what they think will happen if two different colored ice cubes are placed into the same jar (stay separate or mix?).

Name: \_\_\_\_\_

**Melting Ice Magic**

This is what happened in the jar when the ice melted.

ice experiment

**CELLOPHANE COLOR PADDLES**

Students can experiment with mixing colors in a fun and mess-free way.

**SUPPLIES NEEDED**

- Red, yellow, and blue cellophane
- Construction paper

Name: \_\_\_\_\_

**ALL ABOUT COLORS!**

Record your color observations below.

+  =

+  =

+  =

cellophane activity

A rainbow is a curved line of colors in the sky.

Rainbows are formed when sunlight shines through water droplets.

**RAINBOWS**

When the sun comes out, the water droplets in the air are colored. The colors are red, orange, yellow, green, blue, and violet.

rainbow powerpoint



rainbow craft

Name: \_\_\_\_\_

**Can I Be Pink?**

Color 5 things that are pink.

**CAN I BE RED?**

Cut and paste the pictures for each group.

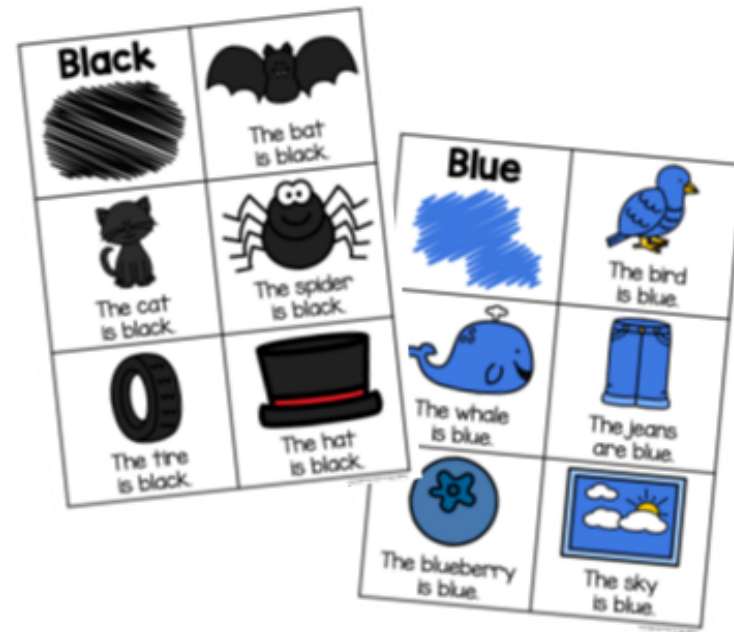
YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

can I be? worksheets

# Take a Closer Look:



color flip books



color mini flip books



color word practice



fingerplays



I know my colors reader



I see colors reader

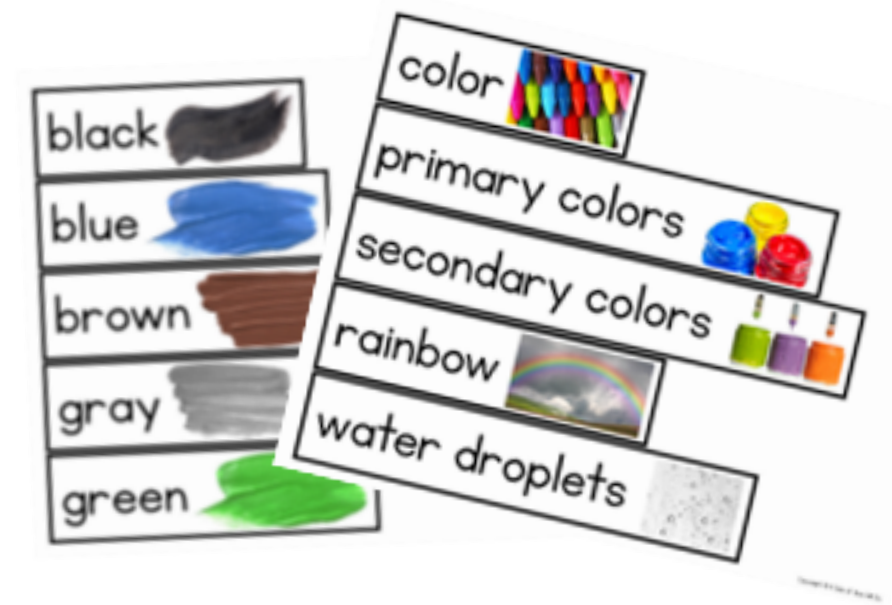
# Take a Closer Look:



definition posters



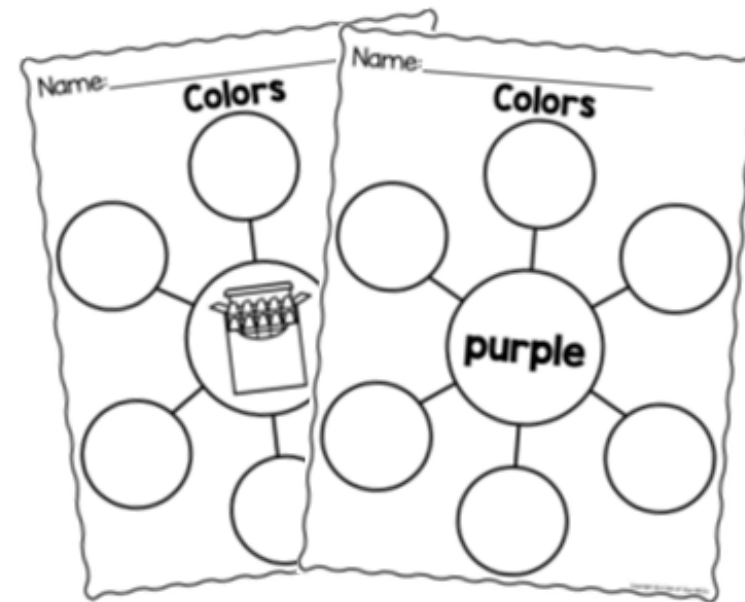
writing center



word wall



STEM activities



circle maps



bingo game

# Take a Closer Look:

**COLORS science**

**MATERIALS needed**

- Color books (see list)
- Construction paper
- Copy paper
- Glue
- Paint
- Colored objects
- Food coloring
- Yarn
- Stapler
- Baking tools
- Mixer
- Q-tips

**M Monday**

**COLORS INTRODUCTION**

- Read a book about colors.
- Introduce colors by completing the Colors PowerPoint.
- Answer the question of the week.
- Complete the color sort as a class.
- Complete My Book of Colors reader.
- Each day please see our selection of color songs, books, and videos!

**T Tuesday**

**COLOR MIXING**

- Read a book about colors.
- Introduce color mixing by completing the Mixing Colors PowerPoint.
- Complete the color wheel sort activity.

**W Wednesday**

**COLOR MIXING**

- Review the Mixing Colors PowerPoint.
- Read the book "House Paint".
- Complete the Color Mixing Investigation activity.

**Th Thursday**

**COLOR MIXING**

- Read a book about colors or color mixing.
- Review the Mixing Colors PowerPoint.
- Complete the Baking Soda Experiment.
- Complete one of the experiment recording sheets.

**F Friday**

**RAINBOWS**

- Read a nonfiction book about rainbows.
- Complete Rainbow PowerPoint.
- Complete Rainbow Craftivity.

color word practice

*science:* **COLORS**

**Dear Families,**

We are learning all about colors and rainbows in the classroom this week. We will be identifying colors, mixing colors, and learning all about rainbows. Ask your child to share some color facts with you this week!

**At-Home Activity:**

You can learn about colors and rainbows at home too! Go on a color hunt. Using colored paper or just color words written on paper as headers, have your child collect things around the house and sort them by color. Go on a walk and play "I spy," noticing all the different colors in your neighborhood. Look for a rainbow outside (after or while it's raining) or try to see rainbows when using the hose or sprinkler.

Copyright © All in One Year 1818

at-home letter

**TEACHER GUIDE for COLORS & RAINBOWS**

**COLORS**

- Colors are created when different types of light bounce off objects. We need light in order to see color.
- Light travels in waves. Some have long wavelengths, and some have short. Each color is associated with a range of wavelengths. All the wavelengths travel together as white light.
- Colors are important to people and animals that can perceive them. Not all organisms have eyes that can perceive color.
- Color can help people know when food is ready to eat (ripe fruit/vegetables) and when food or water is spoiled, rotten, or dirty.
- Colors can show animals what prey to eat that eat. A lot of creatures that are poisonous are brightly colored. Bright-colored flowers attract insects that then pollinate the plants and help the environment.
- Colors can make people feel certain things. Some people feel that red represents more angry or harsh emotions, whereas blue may make someone feel calm.
- Besides feelings, colors can also represent things to people. Many people may say that red can represent love, while others feel that red more often represents a warning or "stop."
- Research has shown that colors can even help lower a person's blood pressure, influence mood, affect appetite, and boost creativity.

**5 COLORS & COLOR THEORY**

It is a set of rules that help people show colors work together: a color wheel to make it easy to identify types of colors: tertiary, secondary, and primary colors. With children, we focus on primary and colors.

Colors are created by mixing equal parts of colors. They are red, blue, and yellow colors are created by mixing equal parts of colors. Orange, purple, and green are colors.

Colors are created by mixing equal parts of color and one secondary color. Examples are blue-green (turquoise) and blue-violet.

**COLOR**

is the retina at the back of the eye, it's millions of light-sensitive cells. These cells are rods and cones.

When light hits cones, they detect different light is detected, the rods and cones send brain through the optic nerve. The brain signals to create a mental image of color. We that some animals, like dogs and giraffe, can only be able to see certain colors. Some animals like bees can see colors that humans cannot see. Some people are color blind. This does not mean that they color, but instead that certain colors are not as bright to them.

teacher guide

**SCIENCE CENTER for COLORS**

**GETTING STARTED**

Fill your center with fun materials that your students can use to investigate and explore colors and rainbows. Suggested materials to include different color toys, manipulatives, pom poms, and buttons, color sorting mats, flashlights, and prism/CDs. You could also include the cellophane paddles, the pipette activity materials, and/or paint/watercolors for students to practice color mixing with. Make sure to include color word vocab cards and nonfiction texts about colors and rainbows!

**SHARING TIME**

- Students who went to the science center that day can tell the class what they discovered or observed and any questions they may have. We have a list of open-ended questions in this unit.
- If a child makes an exciting discovery in the science center, you can ask classmates to join you near the science center so your little scientist can share their findings and enthusiasm in just a short minute or two.
- Use a sign or chant that designates it is time for the kids to congratulate the scientist and return to their center. It can be as simple as a fist bump, high five, thumbs up, or a saying like, "Good Job, Good Job, Hey!"
- Your student's enthusiasm in the science center will entice others to go there tomorrow.

science center

**QUESTIONS TO ASK for COLOR**

- How many colors can you name?
- What colors do you see around you now?
- What do colors help us with?
- What color is your favorite? Why?
- How do certain colors make you feel?
- What do you think the world would be like if there weren't any colors?
- If you could control the color of everything, what would you change?
- Why do you think a stoplight color red to say "stop" and green to say "go"?
- What do you think animal colors? How do colors help?

**SCIENCE talk**

How would you know \_\_\_\_\_?

Why do you think that \_\_\_\_\_?

What else might have caused \_\_\_\_\_?

How can you explain your findings? Recall in your own words.

How was it different than \_\_\_\_\_?

How will you know if \_\_\_\_\_?

Do you think you could \_\_\_\_\_?

How did you decide \_\_\_\_\_?

Can you tell me about that? How does that work?

Can you draw me a picture of your findings?

What will happen if \_\_\_\_\_?

What do you think is most important?

What happened when \_\_\_\_\_?

What would you change if \_\_\_\_\_?

How is this similar to something else you know?

Can you think of another way \_\_\_\_\_?

Create a new solution.

How would you handle this problem/challenge/question?

science questions

**COLOR BOOKS**

To help with the planning of your Colors and Rainbows Unit, we have curated a list of our favorite color BOOKS.

Click a picture to be taken to the book on Amazon.

**RAINBOW VIDEOS**

To help with the planning of your Colors and Rainbows Unit, we have curated a list of our favorite rainbow VIDEOS!

**COLOR SONGS**

To help with the planning of your Colors and Rainbows Unit, we have curated a list of our favorite color songs!

**RAINBOW BOOKS**

To help with the planning of your Colors and Rainbows Unit, we have curated a list of our favorite rainbow BOOKS!

Click a picture to be taken to the book on Amazon.

resource lists

# Take a Closer Look:



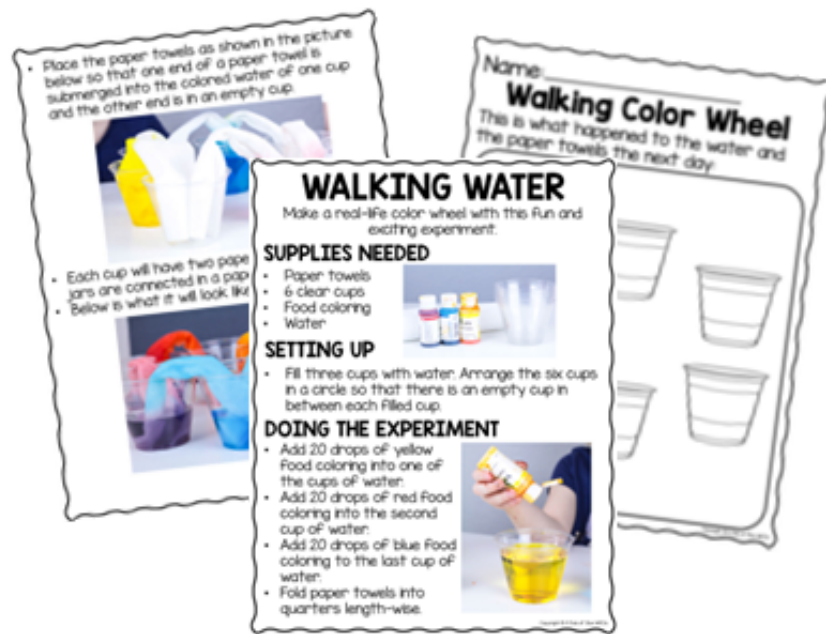
rainbow reader



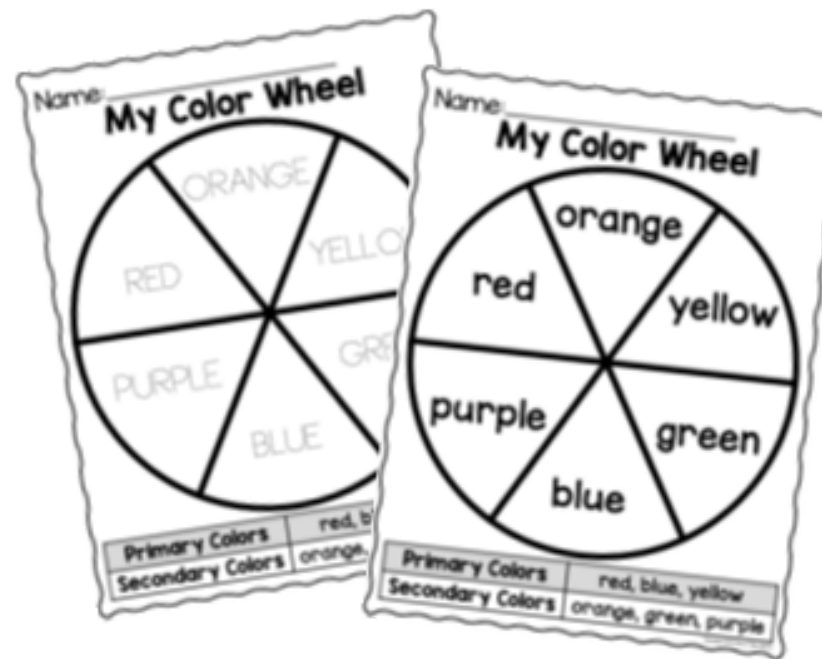
baking soda experiment



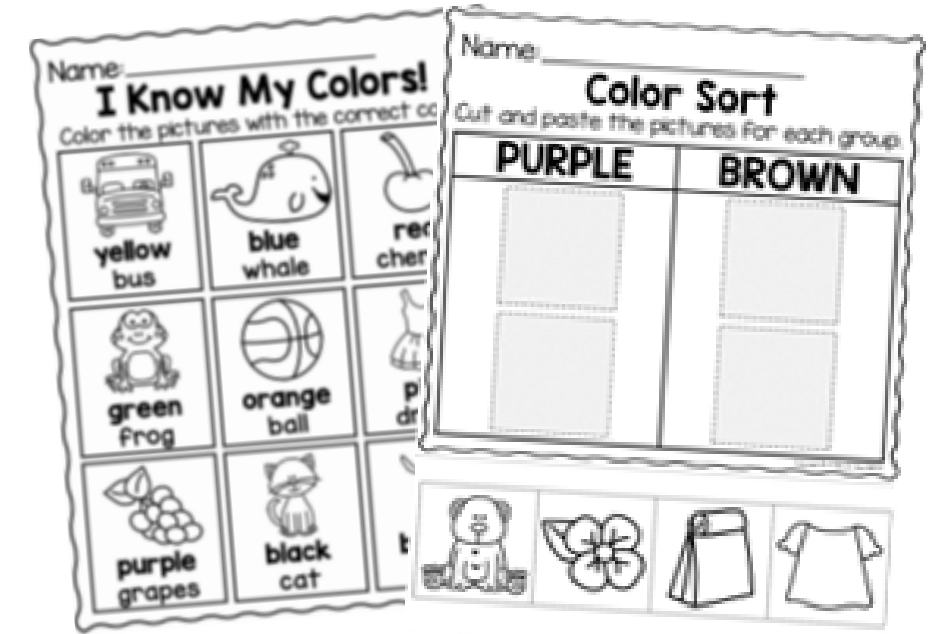
rainbow experiment



water experiment



color wheel activity



and so much more!

# Why Teachers LOVE it:



## OPTIONS

- ✓ Variations for differentiating
- ✓ Printables in color and B&W



## EASY TO USE

- ✓ Teacher Guide
- ✓ Lesson Plans
- ✓ Cross-curricular activities



## ENGAGING

- ✓ Real Pictures
- ✓ Fun Crafts
- ✓ Hands-on Activities



# What Teachers Are Saying



“Amazing unit! I love all your science packs – they contain everything I need for a week of learning and fun!” -Anna O.



“I found this resource highly engaging. My students enjoyed the activities and experiments. I highly recommend this seller!” -BetsyAnne



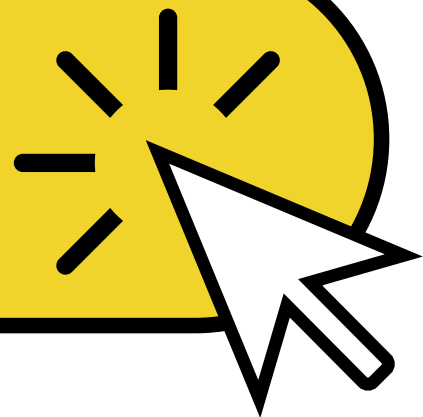
“Great value! This is packed with hands-on experiments, colorful bulletin board quality info sheets and posters... Love it!” -Debra C.



# Buy the bundle and SAVE!

- ✓ Save over \$190
- ✓ Get over 50 units
- ✓ Includes over 20 animal studies

**CLICK HERE**



# SCIENCE ENDLESS BUNDLE



**PRE-K** Over 40 units

# meet the team

I'm Jennifer... I am the founder and creator of A Dab of Glue Will Do and Dollar Teachers Club. I taught Kindergarten and 1st grade. I have a stash of chocolate in my desk and a Starbucks tea in my hand to keep me going. I love reading and watching my kiddos play soccer and do taekwondo.

*jennifer*



Here at A Dab of Glue Will Do, our team makes the lives of busy teachers a little easier by creating meaningful classroom resources to engage, encourage, and meet the needs of their little learners.

When you purchase from us, know that you're getting quality products made by teachers, for teachers. Customer service is our top priority, so please reach out to us with any questions or concerns.



# Join the Club!

When you join the Dollar Teachers Club, you get access to all of the printable AND digital products we've ever made, all of our freebies, exclusive members-only monthly resources, and lots more, all in ONE place. Save money, stress, and lots of time, and join the Dollar Teachers Club today!

**DOLLAR TEACHERS** club 



# Let's Connect! ❤️



Did you know we send out freebies and teacher tips every Sunday? Want to be the first to know when we have a new product, sale, or special event?

Click the button below to join our community.

