



## Science Chunks: Colors Sample Packet

Teach your students the colors of the rainbow with Science Chunks. The following sample packet includes most of the first lesson of the *Science Chunks: Colors* digital unit study. You will see:

- ✓ The Introduction (*beginning on p. 4*)
- ✓ The Lesson (*beginning on p. 8*)
- ✓ The Scrapbook Templates (*beginning on p. 11*)

If you have questions about what you see, please let us know by emailing [support@elementalscience.com](mailto:support@elementalscience.com). To get started, head to:

🖱 <https://elementalscience.com/products/science-chunks-colors-unit>

# A Peek Inside a Science Chunks Preschool Unit

## 1. Lesson Topic

Focus on one main idea throughout the week. You will learn about these ideas a variety of hands-on experiences, plus by recording what the students learned in a scrapbook.

## 2. Information Assignments

Find the week's focus with a short scripted introduction, plus optional topics and library books.

## 3. Notebooking Assignments

Make a scrapbook to record what the students have learned. The directions for these pages are included for your convenience in this section.

## 4. Hands-on Science Assignments

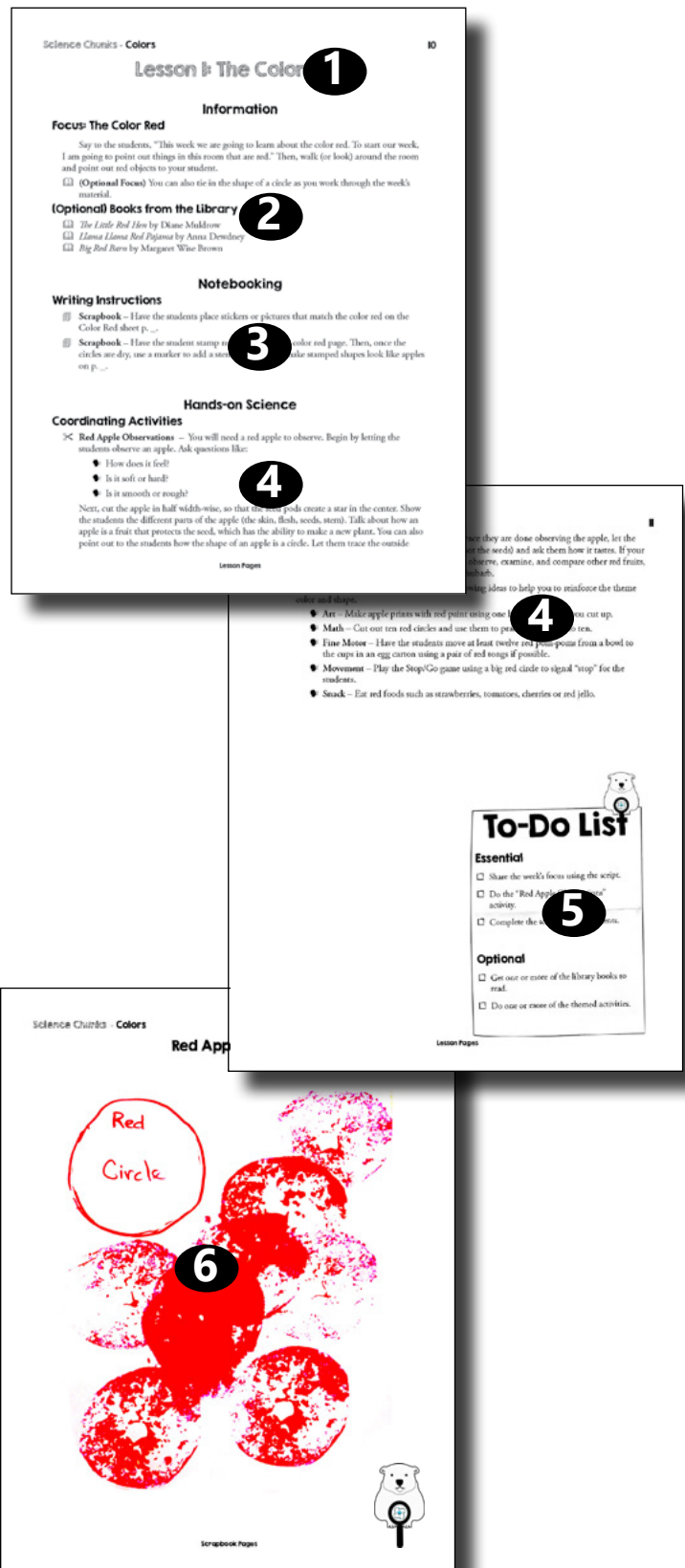
Get the directions for coordinating hands-on science activities and related themed activities for the week.

## 5. Lesson To-Do Lists

See what is essential for you to do each week and what is optional. You can check these off as you work through the lesson so that you will know when you are ready to move on to the next one.

## 6. Scrapbook Templates

Get all the information you need to create a scrapbook on the subject.



## **THIS UNIT IS INTENDED FOR HOME USE ONLY**

The images and all other content in this book are copyrighted material owned by Elemental Science, Inc. Please do not reproduce this content on e-mail lists or websites. If you have an eBook, you may print out as many copies as you need for use **WITHIN YOUR IMMEDIATE FAMILY ONLY**. Duplicating this book or printing the eBook so that the book can then be reused or resold is a violation of copyright.

**Schools and co-ops:** You **MAY NOT DUPLICATE OR PRINT** any portion of this book for use in the classroom. Please contact us for licensing options at [support@elementalscience.com](mailto:support@elementalscience.com).

# Unit Introduction

*Science Chunks - Colors* is a bit different than the other units in the Science Chunks series because it's designed for your preschooler! As an author and homeschool science curriculum writer, I have a lot of ideas that roll through my head. Some of them are realistic. Some—we'll let's just say that they don't make it to the printing presses.

In early 2013, I began to wonder—what if I could use science to teach my son all about his colors, shapes, and letters? You see at the time, my son was 3 years old and he was begging to do “school” with his older sister. I had learned from past experience that traditional worksheets and drills don't work for the younger crowd. Instead, I wanted to teach the preschool concepts he needed to know through activities and books.

Since I am a scientist at heart, I also wanted to find a way to increase his observation skills and to introduce him to the wonderful and amazing world of science. However, part of me wondered if that was really feasible for his age?

That's when the concept for this unit entered the picture. It was originally written as a short eBook called, *Learning through Science*. As the idea for the Science Chunks series came about, we knew that this unit needed to be a part of the series. Either way, my goals for these lessons were simple, I wanted to:

- ✓ Increase a preschooler's powers of observation.
- ✓ Introduce a student to the basic colors through science.
- ✓ Initiate a child's desire to learn more the world around them.

In a nutshell, *Science Chunks - Colors* was designed to be a very gentle introduction basic preschool concepts of colors and shapes within the backdrop of science.

Some weeks you will accomplish more than others, but every week the students will enjoy learning foundational facts from the early years of education.

## What Is Included in This Unit

The preschool student is super curious and we want to capitalize on this interest through lots of hands-on experiences. We are building an interest in learning and introducing the wonder of science within the backdrop of basic knowledge that they need to learn, i.e., the colors of the rainbow. With that said, here is what each lesson will contain.

### Section I - Information

This section will introduce the week's color focus through a short scripted introduction along with several optional tie-in's. After that, you will find a list of library books that you can read throughout the week to reinforce the weekly topic.

## Section 2 - Notebooking

In this program, we have included optional scrapbook pages for you to use with your students. These are not necessary for the success of this program, but they are definitely handy especially if you want to have all the pages ready to go for you. They are located after the lesson sheets.

## Section 3 - Hands-on Science

The coordinating activities are designed to help the students see science in action. These projects will be a mixture of demonstrations and nature studies with a scientific bent. The goal of these projects is to allow the students to discover more about the world around them. Essentially, they will be pure observers of the science that is going on, while your job will be to point out to them any significant items of interest that pertain to the weekly topic.

We have also included themed activities for each lesson. These activities in this section will help you to reinforce the theme color and shape. They include the following:

- 🔦 **Art** – These activities are fun projects that tie in the color and/or shape studied for the week.
- 🔦 **Math** – These activities will help the students learn to count from one to ten.
- 🔦 **Fine Motor** – These activities will help the students work on their fine motor skills.
- 🔦 **Movement** – These activities will help the students work on their gross motor skills.
- 🔦 **Snack** – These activities are fun snack ideas that tie in the color and/or shape studied for the week.

Each of these themed activities are designed for you to pick and choose from based on what the students are interested in doing for the week.

## Possible Schedules for Your Week

- **One Day** – You can set aside about an hour to an hour and a half each week to complete all the essential tasks in one day.
- **Two Days** – You can set aside about 20 to 30 minutes twice a week to complete all the essential tasks, plus a few more, in two days. On the first day, you can complete the focus introduction and one of the scrapbook pages as well as read any library books. On the second day, you can complete the coordinating activity and the other scrapbook pages as well as read any library books.
- **Three Days** – You can set aside about 15 minutes three times a week to complete all the essential tasks, plus a few more, in three days. On the first day, you can complete the focus introduction and one of the scrapbook pages as well as read any library books. On the second day, you can complete the coordinating activity and the other scrapbook pages as well as read any library books. On the third day, you can complete one or more of the themed activities as well as read any library books.

If you choose to complete one lesson per week, this unit will take you seven weeks to complete.

## Final Thoughts

### Read Further

If you want to know more about my philosophy for teaching science to preschoolers, check out the following article:

- **Should you bother with preschool science?** This article shares why it is worth sharing science during the preschool years along with what it can and should look like.

🔗 <https://elementalscience.com/blogs/news/should-you-bother-with-preschool-science-in-your-homeschool>

### Last Words

As the author and publisher of this curriculum, I encourage you to contact me with any questions or problems that you might have concerning *Science Chunks - Colors* by emailing us at [support@elementalscience.com](mailto:support@elementalscience.com). I, or a member of our team, will be more than happy to answer them as soon as we can. I hope that you will enjoy creating memories using *Science Chunks - Colors*!

~ Paige Hudson



# Materials List

## Scrapbook Materials

You will need the following materials to assemble the notebook:

- ✂ Hole punch and 3 brad fasteners or string OR
- ✂ Staples

## Coordinating Activity Materials

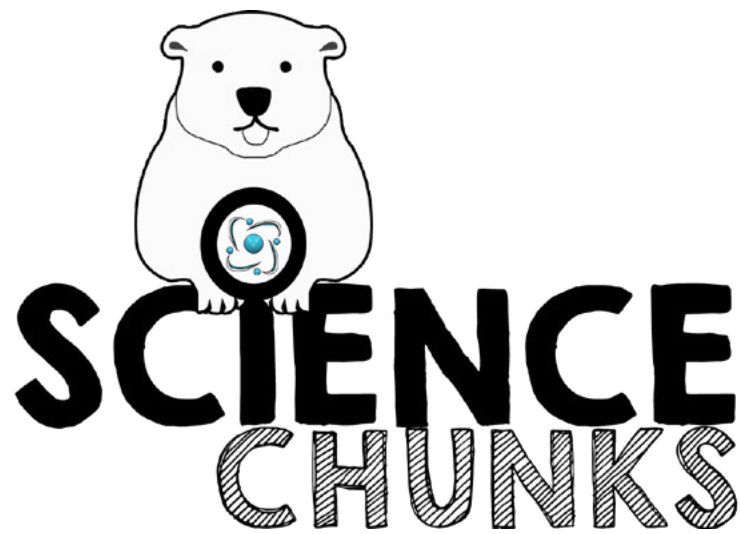
You will need the following materials to complete the essential coordinating activities:

- ✂ **Lesson 1:** Red apple
- ✂ **Lesson 2:** Banana, Blunt knife, Sheet with a rectangle on it
- ✂ **Lesson 3:** Blue food coloring, Several cups of warm water, A clear square container
- ✂ **Lesson 4:** Shaving cream, Plastic baggie, Yellow food coloring, Blue food coloring, Pencil
- ✂ **Lesson 5:** Camera, Plastic Baggie
- ✂ **Lesson 6:** Milk, Liquid Dish Soap, Red Food Coloring, Blue Food Coloring, Shallow Dish
- ✂ **Lesson 7:** Dirt, Water

## Themed Activity Materials

You will need the following materials to complete the essential coordinating activities:

- ✓ **Lesson 1:** Red paint, 10 Red circles, 12 Red pom-poms, Egg carton, Red tongs
- ✓ **Lesson 2:** Glue, Glitter, 10 Yellow rectangles, Pasta, Yellow string, Yellow streamers
- ✓ **Lesson 3:** Sponge, Blue paint, Paper, 10 Blue squares, Flour, Liquid dish soap, Blue food coloring, Milk, Blueberry muffins
- ✓ **Lesson 4:** Yellow paint, Blue paint, 10 Green jellybeans, green play dough, Several green circles, Green food coloring, Eggs
- ✓ **Lesson 5:** Salt, Yellow food coloring, Red food coloring, Wax paper, Glue, 10 Orange diamonds, Water, Eye dropper, Oranges, Goldfish
- ✓ **Lesson 6:** Purple paint, Green paint, Purple grapes, Elmer's glue, Liquid starch, Red food coloring, Blue food coloring, Purple shirt, Purple juice
- ✓ **Lesson 7:** Brown paint, Chocolate pudding, Brown crayon, Paper, Chocolate milk



---

# Lessons




# Lesson 1: The Color Red


## Information

### Focus: The Color Red

Say to the students, “This week we are going to learn about the color red. To start our week, I am going to point out things in this room that are red.” Then, walk (or look) around the room and point out red objects to your student.



 **(Optional Focus)** You can also tie in the shape of a circle as you work through the week’s material.

### (Optional) Books from the Library

-  *The Little Red Hen* by Diane Muldrow
-  *Llama Llama Red Pajama* by Anna Dewdney
-  *Big Red Barn* by Margaret Wise Brown

## Notebooking

### Writing Instructions

-  **Scrapbook** – Have the student stamp red circles on the Red Circles page. Then, once the circles are dry, use a marker to add a stem and leaves to make stamped shapes look like apples on p. 25.
-  **Scrapbook** – Have the students place stickers or pictures that match the color red on the Color Red sheet p. 26.

## Hands-on Science

### Coordinating Activities

✂ **Red Apple Observations** – You will need a red apple to observe. Begin by letting the students observe an apple. Ask questions like:

- 👂 How does it feel?
- 👂 Is it soft or hard?
- 👂 Is it smooth or rough?

Next, cut the apple in half width-wise, so that the seed pods create a star in the center. Show the students the different parts of the apple (the skin, flesh, seeds, stem). Talk about how an apple is a fruit that protects the seed, which has the ability to make a new plant. You can also point out to the students how the shape of an apple is a circle. Let them trace the outside

of the apple to see if they can make a circle. Once they are done observing the apple, let the students take a bite of the flesh of the apple (not the seeds) and ask them how it tastes. If your students want to do more, you can have them observe, examine, and compare other red fruits, such as a tomato, a cherry, a strawberry, and rhubarb.

- ✂ **(Optional) Themed Activities** – Use the following ideas to help you to reinforce the theme color and shape.
- ✓ **Art (Red Apple Prints)** – Make apple prints with red paint using one half of the apple you cut up. You can use p. 27 for this project.
  - ✓ **Math (Counting Red)** – Cut out ten red circles and use them to practice counting to ten.
  - ✓ **Fine Motor (Transferring Red)** – Have the students move at least twelve red pom-poms from a bowl to the cups in an egg carton using a pair of red tongs if possible.
  - ✓ **Movement (Red Light)** – Play the Stop/Go game using a big red circle to signal “stop” for the students.
  - ✓ **Snack (Red Foods)** – Eat red foods such as strawberries, tomatoes, cherries or red jello.



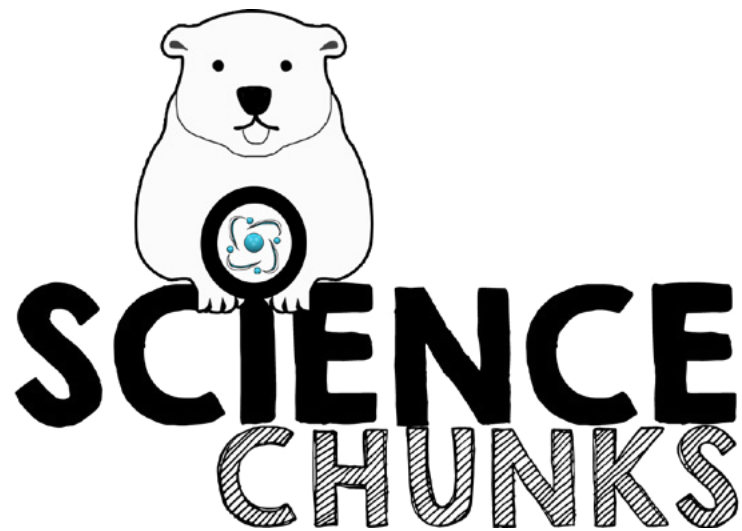
## To-Do List

### Essential

- ☐ Share the week's focus using the script.
- ☐ Do the “Red Apple Observations” activity.
- ☐ Complete the scrapbook assignments.

### Optional

- ☐ Get one or more of the library books to read.
- ☐ Do one or more of the themed activities.



---

# Scrapbook Pages

## Red Circles



# The Color Red



# Red Apple Prints

