

# FREE DIGITAL DOWNLOAD

## Colorful Science

Discover how liquids can stack without mixing—like magic!

### Rainbow In A Jar — A Density Experiment

#### What You'll Need:

- A clear glass or jar
- Honey or corn syrup
- Dish soap (blue works well)
- Water
- Vegetable oil
- Food coloring (red, green, blue, etc.)
- Spoons
- Small cups for mixing

#### Steps:

- Color your liquids (except honey and oil): Add a drop of food coloring to the water, dish soap (if needed), and alcohol in separate small cups. Stir gently.
- Pour in the honey or corn syrup first. Slowly pour a layer into the bottom of the jar.
- Add the dish soap. Gently pour it on top of the honey by tilting the jar and slowly pouring it down the side. Take your time.

Continued on Page 2

**\*\* Science projects must be done with parental supervision \*\***

Colorful Science Project is from The Ultimate Activity Pages For Kids Ages 8-14



# Triple E Publications

Free digital download from: [tripleepublications.com](http://tripleepublications.com)



# FREE DIGITAL DOWNLOAD

## Colorful Science

Continued from Page 1

- Pour in the colored water. Use the same careful technique so it doesn't mix with the layers below.
- Add the vegetable oil. Pour slowly down the side of the jar.
- This layer goes on top if you're using it. Be very careful and ask an adult for help.

### What's Happening?

- Each liquid has a different density, which means how heavy it is for its size. Heavier (more dense) liquids sink, and lighter (less dense) liquids float. That's why they form layers instead of mixing together.

### Science Words To Know:

- Density: How much "stuff" is packed into a space.
- Layering: When liquids stay separated and form stacks.
- Viscosity: How thick or sticky a liquid is (like honey).

### Safety Tips:

- Always ask an adult for assistance before starting.
- Clean up spills right away.

**\*\* Science projects must be done with parental supervision \*\***

Colorful Science Project is from The Ultimate Activity Pages For Kids Ages 8-14



# Triple E Publications

Free digital download from: [tripleepublications.com](http://tripleepublications.com)



# STEM Activity Supplies For Hands-on Learning

This carefully curated Supply List features affordable, high-quality materials to help bring science, technology, engineering, and math activities to life. Many of the STEM projects and experiments featured in the **Free Science Projects Downloads** come from the **STEM Activity Pages** and **Ultimate Activity Pages for Kids** – like the *DIY Lava Lamp*, *Invisible Ink*, *Growing Crystals*, and *DIY Smartphone Speakers* – and can be completed with items you may already have at home. However, if you're missing a few supplies, you'll find everything you need here. Each product has been selected for its **great reviews** (4.5 Stars or higher), **affordability** (under \$10), and **versatility across multiple experiments**, ensuring you get the most out of every purchase while keeping learning fun and budget-friendly.

## Food Coloring

**Food Coloring Set - 12 Color Food Grade Vibrant Liquid Food Dye Tasteless Liquid Color - 0.35 Fl. oz (10 ml) Bottles**

Comes with 12 vibrant color highly concentrated edible food coloring in a wide range of bright vivid colors. Includes: Lemon Yellow, Sunset Yellow, Grass Green, Violet, Grape Purple, Navy Blue, Sky Blue, Red, Brown, Pink, Green and Black.

**Buy Now At <https://amzn.to/47ijis4>**

## Washi Tape

**Mr. Pen- Washi Tape Set, 21 Rolls, Assorted Sizes, Floral Washi Tape**

Set includes 21 washi tape in assorted sizes and designs. Assorted Sizes - 3 different washi tape sizes are perfect for different scenarios. 0.6 inch (1.5cm) wide x 7 tapes; 0.3 inch (8mm) wide x 7 tapes; 0.12 inch (3mm) wide x 7 tapes.

**Buy Now At <https://amzn.to/4niHLn6>**

## Glass Jars

**BEWAVE Glass Mason Jars, 16oz Clear Glass Jars with Lids 4 Pack**

Set of 4 jars and silver lids, free chalkboard stickers, and one pen for labeling, marking your own jars!

**Buy Now At <https://amzn.to/4o2UMLL>**



# Triple E Publications

Free digital download from: [tripleepublications.com](https://tripleepublications.com)



# **STEM Activity Supplies**

## **For Hand-on Learning**

### **Popsicle sticks**

**60 Pieces Jumbo Craft Sticks, 8 Inch Natural Wooden Popsicle Sticks**

These super jumbo craft sticks are not just for crafts; they serve as a great learning tool for children, promoting fun and creativity.

**Buy Now At <https://amzn.to/3WFzPSd>**

### **Craft Knife**

**Fiskars SoftGrip Detail Craft Knife - 8" Exacto Knife for Crafting - Multi-Use Exacto Blade Included with Protective Cover**

Ideal for precise cutting of a wide variety of materials, including paper, cardstock, thin plastic, photos, and canvas.

**Buy Now At <https://amzn.to/47Ddvi5>**

### **String**

**FJiJi Craft White Cotton String Butchers Cooking String Twine 2mm 656ft for Cooking and Crafts**

Cotton string measuring 2mm in diameter and 656 feet/200 meters in length, cotton string is thin yet strong enough to handle any task.

**Buy Now At <https://amzn.to/4hqzGLD>**

### **Straws**

**FGUSTO [200 Pack] Striped Paper Drinking Straws –Food-Safe Ink, and Multi-Layered for Long-Lasting Use – Vibrant Assorted Colors**

Perfect Size & Bulk Value: Each straw measures 7.75 inches long & 0.25 inches wide, fitting mason jars, tumblers, and cups. With 200 straws per pack, you'll always have a stylish, eco-friendly drinking solution on hand!.

**Buy Now At <https://amzn.to/48GZAIU>**



# **Triple E Publications**

**Free digital download from: [tripleepublications.com](https://tripleepublications.com)**



# STEM Activity Supplies For Hand-on Learning

## Ballons

**RUBFAC 120 Balloons Assorted Color 12 Inches Rainbow Latex Balloons, 12 Bright Color Party**

The balloon kit includes 120 vibrant 12-inch balloons in 12 rainbow colors, 10 pcs per color.

**Buy Now At <https://amzn.to/3KYXnyR>**

## Glue

**Elmers Liquid School Glue, Washable, 4 Ounces, 2 Count**

School glue offers a No Run Formula that stays where you put it. The plastic bottle is easy to squeeze for easy dispensing. The no-run formula provides a strong bond for most porous materials. School glue dries fast and clear. Glue is safe, nontoxic, and washable, so accidental messes mean easy cleanup.

**Buy Now At <https://amzn.to/47phMEw>**

As an Amazon Associate, I earn a small commission from qualifying purchases made through the links on this page. This commission comes at **no extra cost to you** and helps support Triple E Publications in creating more free educational resources, activities, and printables for learners of all ages. **Thank you for your support** — it truly helps keep the spirit of curiosity and discovery growing!

## Thank You For Supporting tripleepublications.com



# Triple E Publications

Free digital download from: [tripleepublications.com](https://tripleepublications.com)

