

Mixtures and Properties



Thank you for your interest in this **The Ruff Ruffman Show** Ready to Learn backpack. The education team at Iowa PBS is excited that you have chosen to enrich your child's learning.

Contents

3 Books: *Mix It Up* by Herve Tullet
Crazy Concoctions by Jordan D. Brown
Baking With Kids by Leah Brooks

Activities: Make chocolate mug cake, rainbow popsicles and play dough.

Other Items: Bowl, spatula, measuring spoons, measuring cups, properties table and vocabulary cards

Read Together

Asking your child questions as you read helps them think about the story and encourages them to ask their own questions. Here are some sample questions to ask your child as you read *Mix It Up* by Hervé Tullet.

- When you put different colors together, you've created a mixture. Can you take apart any of the mixtures in the book?
- Did any of the color combinations surprise you? Which ones?
- What are some ways you can explore mixing and playing with color combinations at home or school? What is your favorite color in the book? Do you think you can make that color?
- How are mixing colors similar to mixing ingredients when you are cooking? How is it different?

Play Together

Playing with your child can be fun for them and for you, and asking questions will help your child learn.

- Make a mixture that can be taken apart, such as a trail mix.
- Make a mixture that cannot be taken apart--fruit drink mix, cake mix, etc.
- Make a practice of having your child help in the kitchen. Measuring ingredients helps with math skills and cooking/science skills. Double a recipe and demonstrate how two 1/2 cups equals one full cup.
- Using the Properties Table, compare two mixtures such as a trail mix and play dough.
- Use the measuring cups and spoons to demonstrate

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

Online Activities

Go to iowapbs.org/education/story/36383/science-resources-and-activities-ages-4-8, watch **The Ruff Ruffman Show: Ruff Mixes It Up** or play the Ruff's Cookie Creator game. Go to **Fizzy's Lunch Lab** and select the food link. There are lots of recipes for many mixtures. Have an adult help you make some.

Find more information about Iowa PBS Education at iowapbs.org/education. More PBS educational content can be found at pbskids.org.