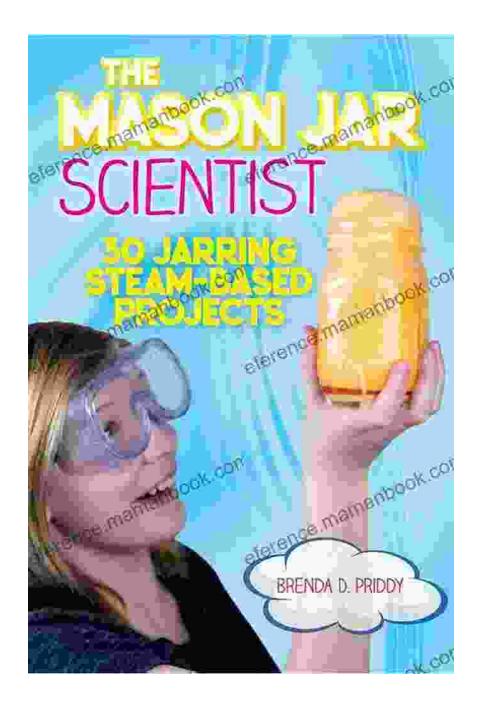# The Mason Jar Scientist: 30 Jarring Steam Based Projects for Kids

The Mason Jar Scientist: 30 Jarring Steam Based Projects for Kids is a book of hands-on science experiments that use everyday materials like Mason jars, water, and vinegar. The projects are designed to be fun and

educational, and they cover a wide range of topics, from physics to chemistry to biology.

The Mason Jar Scientist: 30 Jarring STEAM-Based Projects by Jay W. Richards

★★★★☆ 4.4 out of 5

Language	: English
File size	: 77415 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 128 pages

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The book is divided into three sections:

1. **Physics:** Projects in this section explore the laws of physics, such as gravity, buoyancy, and magnetism. Kids will learn how to make a dancing raisin, a floating ball, and a homemade compass.

2. **Chemistry:** Projects in this section explore the principles of chemistry, such as acids, bases, and reactions. Kids will learn how to make a volcano, a slime, and a glow stick.

3. **Biology:** Projects in this section explore the living world, such as plants, animals, and the human body. Kids will learn how to make a terrarium, a seed sprouter, and a model of the digestive system.

The Mason Jar Scientist is a great way to introduce kids to the wonders of science. The projects are easy to follow and require only a few simple

materials. And best of all, they're fun! Kids will love learning about science while they're having a blast.

Here are just a few of the 30 projects you'll find in The Mason Jar Scientist:

- **Dancing Raisin:** Explore the laws of buoyancy with this simple experiment. Drop a raisin into a jar of water and watch it dance!

- **Floating Ball:** Learn about the principles of aerodynamics with this fun experiment. Make a ball float in the air using just a hair dryer and a piece of string.

- **Homemade Compass:** Discover the power of magnetism with this easy-to-make compass. Use a magnet and a needle to create your own compass that will point north.

- **Volcano:** Erupt a volcano in your kitchen with this exciting experiment. Mix baking soda and vinegar in a jar to create a bubbling, frothing volcano.

- **Slime:** Make your own gooey, stretchy slime with this fun experiment. Mix glue, water, and borax to create a slimy substance that you can play with for hours.

- **Glow Stick:** Create your own glowing light stick with this simple experiment. Mix hydrogen peroxide and luminol in a jar to create a glowing reaction.

- **Terrarium:** Create your own miniature ecosystem in a jar with this fun experiment. Layer soil, plants, and water in a jar to create a self-sustaining terrarium.

- **Seed Sprouter:** Learn about the life cycle of plants with this easy-to-do experiment. Place seeds in a jar of water and watch them sprout and grow.

- **Model of the Digestive System:** Discover how the digestive system works with this hands-on experiment. Use a jar, water, and food to create a model of the digestive system that shows how food is broken down.
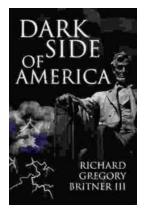
The Mason Jar Scientist is a great resource for parents, teachers, and anyone else who wants to introduce kids to the wonders of science. The projects are fun, educational, and easy to do. And best of all, they're a great way to get kids excited about learning.

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