

**SENSORY SCIENCE FUN!**



# SLIMY

Science Experiments



by Harriet McGregor





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**Science Experiments**

**by Harriet McGregor**

Consultant: Heather Stockinger, Educator



Minneapolis, Minnesota



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Editor: Sarah Eason

Proofreader: Jennifer Sanderson

Designers: Paul Myerscough and Emma DeBanks

Model and experiment assembly: Emma and Stephen DeBanks

Photography: Julie Smith

Models: Svana Arthur, Joseph Myerscough, and William Myerscough

#### *Library of Congress Cataloging-in-Publication Data*

Names: McGregor, Harriet, author.

Title: Slimy science experiments / Harriet McGregor.

Description: Create! | Minneapolis, Minnesota : Bearport Publishing Company, 2020. |

Series: Sensory science fun! | Includes bibliographical references and index.

Identifiers: LCCN 2020007335 (print) | LCCN 2020007336 (ebook) |

ISBN 9781647472023 (library binding) | ISBN 9781647472092 (ebook)

Subjects: LCSH: Science—Experiments—Juvenile literature. | Science projects—Juvenile literature.

Classification: LCC Q182.3 .M396 2020 (print) | LCC Q182.3 (ebook) | DDC 507.8—dc23

LC record available at <https://lccn.loc.gov/2020007335>

LC ebook record available at <https://lccn.loc.gov/2020007336>

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For more information, write to Bearport Publishing, 5357 Penn Avenue South, Minneapolis, MN 55419.

Printed in the United States of America.

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# SCIENCE IS SLIMY!

Science is the study of the world around us. It helps us learn about animal and plant life, Earth and space, and energy and motion. Science can be fun, too. It can be gooey, smelly, squishy, moldy, gross, and—of course—slimy. In this book, four fun experiments will introduce you to the wonderful world of slimy science!



## SAFETY FIRST!

Staying safe is an important part of any science experiment. For some experiments, you will need safety gear to protect your eyes or skin. For others, you will need the help of a grown-up or a friend.



Safety goggles

## YOU WILL NEED

At the beginning of each experiment, you'll find a list of necessary materials. Be sure to gather all your supplies before you start. You may already have some of the items at home or school. The others can be found in stores or online.



Bowl



Measuring spoons





## STEPS

Each experiment will have a list of steps to guide you. Read them all before you begin. Follow each step carefully.

## OBSERVATIONS

Be ready to keep a close eye on your experiment, and record what happens. You can take notes, draw pictures, or use a camera to capture photos or video. Sometimes experiments do not go according to plan—but that's OK! Mistakes can be useful and often help you do better when you try your experiments again.

## CONCLUSION

There is a conclusion at the end of each experiment. This is the last part of any experiment. It will explain how and why your experiment worked.

## Slimy Science Fact



Look for this slimy character with its tips and facts for each experiment. This information will help you get great results while you learn amazing things.



## Earth-Friendly Science



Scientists take care of their planet. Whenever possible, find used materials for your experiments. For example, an old yogurt container makes a good mixing bowl and it can be **recycled** once you have finished. Avoid **single-use** plastics and get rid of experiment materials properly.



# STRETCHY SLIME

Have a ton of fun with this stretchy slime! When something is stretched but can return to its original size, it is called elastic. Make three different batches of slime and decide which is the most elastic.

## STEPS



- 1** Pour  $\frac{1}{2}$  cup of glue into each of the three bowls. Set two of the bowls aside.



- 2** Shake the bottle of liquid starch to mix it. Then, add 5 tablespoons of starch to the first bowl. Add a couple of drops of food coloring if you want to create colored slime. This is batch 1.

### You will need

- Measuring cups
- $1\frac{1}{2}$  cups school glue (clear or white)
- 3 bowls
- Measuring spoons
- 1 cup liquid starch

Liquid starch



- Food coloring (optional)
- A chair
- A friend
- A tape measure or ruler
- A notebook and pen





**3** Use your hands to squish the mixture together until it begins to look like slime. Continue mixing until it is smooth and holds together.

**4** Place the bowl with the slime on the floor. Grab part of the slime and lift it above the bowl as high as you can.

**5** Does the slime reach all the way back down to the bowl? Does it break? Carefully stand on a chair and see how far it can stretch now. Ask a friend to measure how far the slime stretches before it breaks. Place your slime back in the bowl. Record the measurement.



## Slimy Science Fact



Did you know that playing with slime can help you relax? Watching videos of moving slime can even help people fall asleep!