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## Japace MDSC04

# Japace Science Kits for Girls: Astounding Science Reactions

Model: MDSC04

## INTRODUCTION

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The Japace Science Kits for Girls, Model MDSC04, offers an engaging and educational experience with over 75 unique chemistry experiments. This kit is designed to introduce young learners, aged 4-8, to fundamental scientific principles through hands-on activities. From growing crystals to creating fizzy reactions and making various forms of slime, this manual provides clear instructions to ensure a safe and enjoyable learning process.

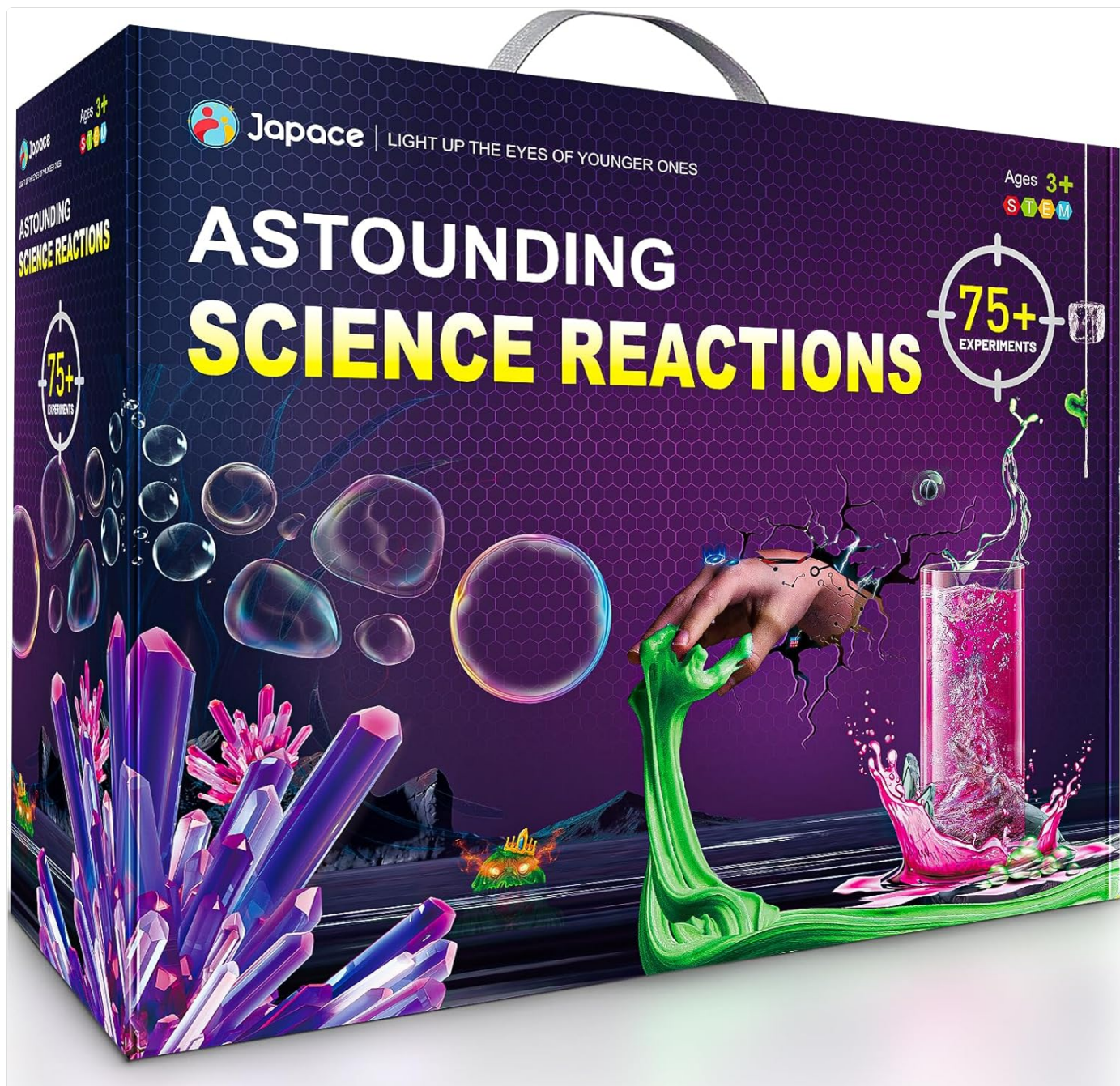


Image: The Japace Astounding Science Reactions kit box, featuring colorful illustrations of experiments like crystal growth, bubbles, and slime, with '75+ Experiments' prominently displayed.

## SAFETY INFORMATION

**Important:** This science kit is not suitable for children under 3 years due to small parts and chemical components. All experiments must be conducted under direct adult supervision. Read all instructions thoroughly before beginning any experiment. Ensure proper ventilation and wear appropriate safety gear, such as safety goggles, if specified for an experiment.

## WHAT'S IN THE BOX

Your Japace Science Kit includes a variety of materials and tools necessary for conducting the experiments. Please verify that all components listed below are present upon opening the box:

- Baking Soda
- Citric Acid
- Color Agent

- Candy
- Crystal Growing Liquid
- Candle-RED
- Candle-Blue/Yellow
- Test tubes
- Beaker
- Measuring cups
- Droppers
- Stir rods
- And various other experiment materials as specified per activity.

If any items are missing or damaged, please contact Japace customer support.

## SETUP

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Before starting any experiment, prepare your workspace:

1. **Choose a Suitable Location:** Select a clean, flat, and stable surface, preferably one that can be easily cleaned in case of spills. A kitchen counter or a table covered with newspaper or a plastic sheet is ideal.
2. **Gather Necessary Materials:** Each experiment will list specific items from the kit and common household items (e.g., water, dish soap) that may be required. Ensure you have everything ready before you begin.
3. **Read Instructions Carefully:** Always read the entire experiment instruction page before starting. This helps in understanding the steps and expected outcomes.
4. **Adult Supervision:** Ensure an adult is present and actively supervising throughout the experiment.

## OPERATING: CONDUCTING EXPERIMENTS

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The Japace Science Kit includes over 75 diverse experiments designed to be fun and educational. Each experiment is detailed in the included instruction booklet with clear steps and illustrations. Below are examples of the types of activities you can perform:





Image: A collage showcasing various experiments: erupting underwater reactions, conducting color mixing, building layered liquid, creating fizzy reactions, and exploring a self-inflating balloon. This image highlights the variety of activities available in the kit.

## Crystal World Experiments

Discover the fascinating process of crystallization. You can grow your own real crystals, cultivate a magical crystal tree, create crystal crafts, and even make colorful salt. These experiments teach about supersaturated solutions and crystal formation.



Image: A visual guide to 'Crystal World' experiments, displaying a large purple crystal, a multi-colored crystal tree, a blue pipe cleaner craft covered in crystals, and a spoonful of pink crystal salt.

## Slime and Polymer Fun

Explore the properties of polymers by making various types of slime and clay. Experiments include creating wiggly worms, forming magic mud, and even transforming milk into solid 'cakes'. These activities demonstrate chemical reactions that change material states.



## MAKE WIGGLY WORMS



## FORM MAGIC MUD



## TURN MILK INTO CAKES



## HOMEMADE SUPER- LIGHT CLAY



Image: A collage illustrating different tactile experiments: bright neon wiggly worms, green 'magic mud' being poured, two heart-shaped 'cakes' made from milk, and a large stretch of purple super-light clay.

### Understanding the Instructions

The kit provides a detailed instruction manual with clear, step-by-step guidance for each experiment. Pictures accompany the text to help children follow along independently and safely. A dedicated 'SCIENCE EXPLANATION' section for each experiment encourages deeper understanding of the scientific concepts involved.

# LEARN THE SCIENCE BEHIND EXPERIMENTS!



Image: An open instruction manual for the science kit, displaying detailed steps and diagrams for experiments such as 'Create Fizzy Reactions' and 'Magic Mushroom Monsters', with a magnifying glass highlighting the 'Explanation' section.

## MAINTENANCE

Proper care and maintenance will extend the life of your science kit and ensure future enjoyment:

- **Cleaning Tools:** After each experiment, thoroughly wash all reusable tools (test tubes, beakers, stir rods, etc.) with warm



soapy water. Rinse well and allow them to air dry completely before storing.

- **Storing Materials:** Store all chemical components in their original sealed containers in a cool, dry place, away from direct sunlight and out of reach of young children. Ensure lids are tightly closed to prevent spills or degradation.
- **Disposal:** Dispose of experiment waste according to local regulations. Do not pour chemicals down the drain unless specifically instructed.
- **Kit Storage:** Keep the entire kit in its original packaging or a designated storage box to keep all components organized and protected.

## TROUBLESHOOTING

If you encounter issues while conducting experiments, consider the following:

- **Experiment Not Working:** Double-check the instructions to ensure all steps were followed precisely. Verify the quantities of ingredients used. Sometimes, environmental factors like temperature can affect results.
- **Missing Components:** Refer to the 'What's in the Box' section. If an item is genuinely missing, contact Japace customer support.
- **Unclear Instructions:** Review the instructions again slowly. If still unclear, try searching for video demonstrations of similar experiments online or contact customer support for clarification.
- **Safety Concerns:** If any unexpected reaction occurs or you have safety concerns, immediately stop the experiment, ensure the area is safe, and consult an adult.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	10.63 x 8.66 x 3.94 inches
Item Weight	2.23 pounds
ASIN	B0BZDCYZP2
Item Model Number	MDSC04
Manufacturer Recommended Age	36 months - 8 years
Manufacturer	Japace

## WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your Japace Science Kit, please contact the manufacturer directly. While specific warranty details are not provided in this manual, Japace is committed to customer satisfaction. Please retain your proof of purchase for any inquiries.

You can visit the official Japace store on Amazon for more information and contact options:[Japace Store](#)