

## UNGLINGA EU-HZDZKH038

# UNGLINGA 150 Science Experiment Kits Instruction Manual

Model: EU-HZDZKH038 | Brand: UNGLINGA

## 1. INTRODUCTION

---

The UNGLINGA 150 Science Experiment Kits provide an engaging and educational experience for children aged 8 and up. This kit is designed to introduce fundamental scientific concepts across various fields, including Earth science, chemistry, and physics, through hands-on experiments. It encourages curiosity and learning through play, making science accessible and fun.

## 2. SAFETY INFORMATION

---

**WARNING: Not suitable for children under 8 years. For use under adult supervision.**

Always ensure a responsible adult is present during all experiments. Read all instructions thoroughly before beginning any experiment. Do not ingest any materials. Keep all chemicals and small parts out of reach of younger children and pets. Wear safety glasses when instructed or when handling chemicals. Dispose of waste materials responsibly as per local guidelines.

## 3. WHAT'S IN THE BOX

---

Your UNGLINGA 150 Science Experiment Kit includes a variety of tools and materials necessary for conducting numerous experiments. Please check the contents against the list below and the included manual to ensure all items are present.

- Experiment Manual (in German, French, Italian, Spanish, and English)
- Various chemical powders and liquids for experiments
- Laboratory science tools (e.g., beakers, test tubes, funnels, measuring spoons)
- Safety glasses
- Components for specific projects (e.g., volcano mold, crystal growing materials, robot parts)
- Other kid-friendly materials for diverse experiments



Image 3.1: Overview of included components and the multi-language experiment manual.

## 4. SETUP

Before starting any experiment, proper preparation is crucial for safety and success.

1. **Read the Manual:** Carefully read the specific instructions for each experiment in the provided manual before you begin.
2. **Prepare Your Workspace:** Choose a clean, flat, and stable surface. Cover the surface with newspaper or a protective mat to prevent spills or stains.
3. **Gather Materials:** Collect all necessary materials listed for the chosen experiment, including any common household items not included in the kit.
4. **Wear Safety Gear:** Always wear the provided safety glasses to protect your eyes during experiments.
5. **Adult Supervision:** Ensure an adult is present and actively supervising the experiment.

## 5. OPERATING INSTRUCTIONS

The UNGLINGA 150 Science Experiment Kits offer a wide range of activities. Each experiment has detailed, step-

by-step instructions in the included manual. Follow these instructions precisely for optimal results and safety.

## 5.1. Earth Science Experiments

Explore geological processes and natural phenomena. Examples include creating volcanic eruptions, growing crystals, making artificial snow, and conducting fossil digs.



Image 5.1: Visual examples of Earth Science experiments from the kit.

## 5.2. Magic Trick Science Experiments

Discover the science behind seemingly magical effects. These experiments cover concepts like surface tension, density, and pH changes, such as color-changing flowers, rainbow Ferris wheels, and colorful pearl rain.



Image 5.2: Visual examples of Magic Trick Science experiments from the kit.

### 5.3. Chemistry Experiments

Engage with chemical reactions and material properties. Activities include making potions, creating alginate worms, crafting bounce balls, and exploring gas expansion with balloons.



Image 5.3: Visual examples of Chemistry experiments from the kit.

#### 5.4. Physics Experiments

Investigate principles of motion, force, and light. Projects include building a doodling robot, demonstrating ball floating, constructing a paper cup projector, and launching balloon rockets.

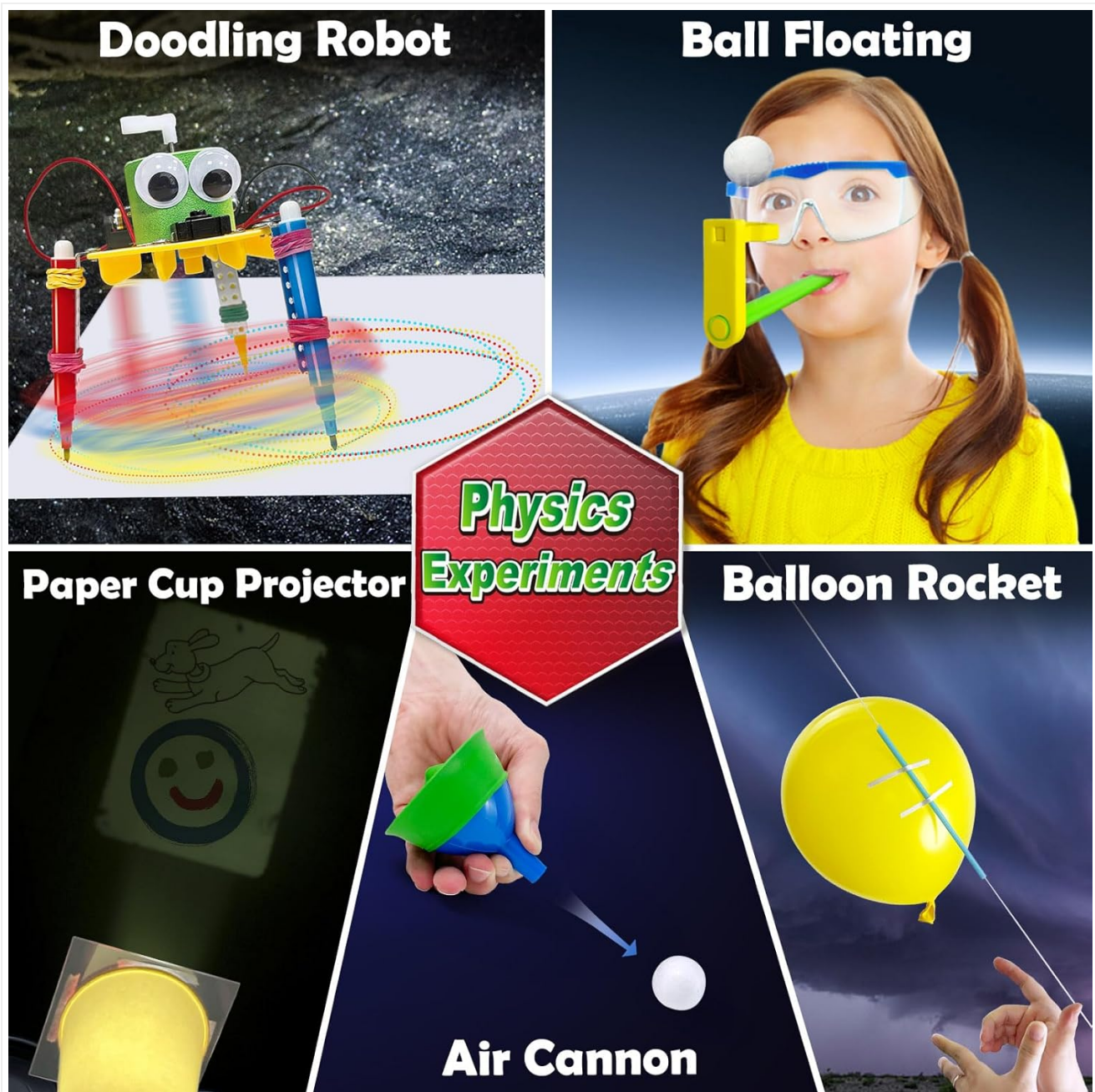


Image 5.4: Visual examples of Physics experiments from the kit.

## 6. MAINTENANCE

---

Proper care and storage will extend the life of your science kit and ensure it's ready for future experiments.

- **Cleaning:** After each experiment, thoroughly clean all reusable tools with warm, soapy water. Rinse well and allow them to air dry completely before storing.
- **Storage:** Store all components in their original packaging or a designated container in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Chemicals:** Ensure all chemical containers are securely sealed after use. Store them upright and away from food or drinks.
- **Disposal:** Dispose of any used or leftover chemicals according to the instructions in the manual or local waste disposal guidelines. Never pour chemicals down the drain.

## 7. TROUBLESHOOTING

---

If you encounter issues during an experiment, consider the following common troubleshooting steps:

- **Experiment Not Working:** Double-check the instructions in the manual. Ensure all measurements are accurate and steps are followed in the correct order.
- **Missing Materials:** Verify all components against the 'What's in the Box' section and the experiment's material list. If a critical component is missing, contact customer support.
- **Unexpected Results:** Sometimes, variations in environmental conditions (temperature, humidity) or slight inaccuracies in measurements can lead to different results. Review the scientific principles explained in the manual.
- **Safety Concerns:** If any safety concern arises, immediately stop the experiment and consult an adult.

## 8. SPECIFICATIONS

---

Feature	Detail
Product Dimensions	11.02 x 9.06 x 3.94 inches
Item Weight	3.21 pounds
Model Number	EU-HZDZKH038
Manufacturer Recommended Age	8 years and up
Manufacturer	UNGLINGA

## 9. WARRANTY AND SUPPORT

---

For specific warranty information or customer support regarding your UNGLINGA 150 Science Experiment Kits, please refer to the documentation included with your product or visit the official UNGLINGA website. You may also contact the retailer from whom you purchased the product for assistance.

**UNGLINGA Store:** [Visit the UNGLINGA Store on Amazon](#)