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MOONTOY STEM Toys

MOONTOY 218-Piece STEM Building Blocks Instruction Manual

Model: STEM Toys

INTRODUCTION

The MOONTOY 218-Piece STEM Building Blocks set is designed to provide an engaging and educational construction experience for children aged 4-10 years. This versatile kit allows for the creation of 10 different basic models, fostering creativity, imagination, and motor skills. It is suitable for individual play or collaborative activities, promoting parent-child interaction and team-building skills.

The set includes a variety of nuts, bolts, wheels, and structural pieces that can be combined to form models such as excavators, UTV cars, motorcycles, airplanes, helicopters, racing cars, robots, and dinosaurs. An instruction manual with detailed steps for these models is included in the package.



Image: Overview of the 10-in-1 models that can be constructed with the MOONTOY building blocks, highlighting the STEM learning aspect.

SAFETY INFORMATION

This MOONTOY building block set is manufactured with child safety as a priority. The components are made from high-quality ABS plastic and TPR material, ensuring they are non-toxic, lead-free, and BPA-free. All pieces feature smooth edges to prevent injury during play.

- Ensure all small parts are kept away from children under 3 years of age to prevent choking hazards.
- Adult supervision is recommended, especially for younger children, during assembly and play.
- Inspect all pieces regularly for any damage. Discontinue use if any part is broken or compromised.

Choose **SAFETY** for your kids



Image: Demonstrates children safely engaging with the building blocks, emphasizing the non-toxic and safe material composition.

PACKAGE CONTENTS

The MOONTOY 218-Piece STEM Building Blocks set includes:

- 218 assorted building pieces (various shapes, sizes, colors)
- Nuts and bolts for assembly
- Wheels for vehicle models
- Assembly tools (e.g., screwdriver, wrench)
- Instruction manual with 10 basic model designs
- Storage box for convenient organization



JY-KL X1	JY-C2 X2	JY-2C5A X1	JY-Z2B X2	JR-T5 X2	JP-006 X2	JP-Y1 X2
JY-KL1 X2	JY-C3 X1	JR-Z2 X2	JY-Z3A X2	JR-SF3 X1	JP-M1 X2	JP-LS1 X31
JY-Q1 X4	JY-C4 X1	JR-Z2 X1	JY-Z3B X2	JR-T6 X1	JP-M1 X2	JP-LS1 X3
JY-Q2 X3	JY-C2D X1	JR-Z3 X2	JY-Z4 X2	JR-W1 X1	JP-Y1 X13	JP-LS2 X13
JY-Q3 X1	JY-2C4A X3	JR-T1A X2	JY-Z5 X2	JR-LT2 X4	JP-Y2 X7	JP-LS3 X1
JY-Q4 X1	JY-2C4A X2	JR-T3 X2	JY-Z7 X2	JR-LG1 X4	JP-Y5 X5	JP-LS4 X5
JY-Z2 X3	JY-2C5 X6	JR-T4 X1	JY-Z2A X2	JY-SF2A X1	JR-Y2 X11	JP-LM X42
JY-Z3 X2	JY-2C8 X2	JY-2C8A X1	JY-Z2A X2	JP-LSD X1	JP-BS X1	

Image: A comprehensive visual guide to all the components included in the 218-piece set, along with the instruction booklet and storage case.

ASSEMBLY INSTRUCTIONS

The MOONTOY building blocks are designed for intuitive assembly. A detailed instruction manual is provided within the package, illustrating step-by-step procedures for constructing the 10 basic models. Follow these general guidelines for assembly:

- 1. Identify Components:** Refer to the parts list in the instruction manual to identify the correct building blocks, nuts, and bolts required for your chosen model.
- 2. Connect Pieces:** Align the holes on the building blocks. Insert a bolt through the aligned holes.
- 3. Secure with Nuts:** Place a nut on the other side of the bolt.
- 4. Tighten:** Use the provided screwdriver or wrench to tighten the bolt and nut securely. Do not overtighten.
- 5. Follow Model Instructions:** Proceed with the specific steps outlined in the included instruction manual for each model.



Image: Illustrates the four basic steps for assembling the blocks: finding pieces, positioning nuts, inserting bolts, and tightening with a screwdriver.

OPERATING INSTRUCTIONS

Once assembled, the MOONTOY building blocks offer various play opportunities:

- **Guided Building:** Use the provided instruction manual to construct any of the 10 pre-designed models. These models range in complexity, allowing children to progress as their skills develop.
- **Freeform Creation:** Encourage children to use their imagination to design and build their own unique structures, vehicles, or creatures. The open-ended nature of the blocks supports creative thinking.
- **Role-Playing:** Integrate the constructed models into imaginative play scenarios, enhancing storytelling and social skills.



Image: Highlights the variety of models that can be built and their varying difficulty levels, encouraging progressive learning and creative play.

MAINTENANCE AND CARE

To ensure the longevity and hygiene of your MOONTOY building blocks, follow these care instructions:

- **Cleaning:** The building blocks are easy to wash. They can be cleaned with mild soap and water. Rinse thoroughly and allow to air dry completely before storing.
- **Storage:** Utilize the provided sturdy storage box to keep all 218 pieces organized and prevent loss. Store the set in a cool, dry place away from direct sunlight.
- **Inspection:** Periodically check all components for wear and tear. Replace any damaged parts if necessary (contact manufacturer for replacement parts).



Image: Illustrates the ease of cleaning and the convenience of the storage case, along with the durable and pliable nature of the ABS plastic components.

TROUBLESHOOTING

While the MOONTOY building blocks are designed for durability and ease of use, occasional issues may arise.

- **Missing Pieces:** If you find any pieces missing upon opening the package, please contact MOONTOY customer support immediately.
- **Difficulty Assembling:** Refer to the detailed instruction manual. Ensure you are using the correct pieces and tightening nuts and bolts appropriately. Younger children may require adult assistance.
- **Damaged Parts:** If any part becomes damaged during play, discontinue use of the damaged part and contact customer support for potential replacement options.

SPECIFICATIONS

Product Dimensions	12.7 x 12.7 x 12.7 cm
Item Weight	1.26 kg
Recommended Age	36 months - 12 years (Manufacturer recommended)
Model Number	STEM Toys
Educational Objectives	STEM Learning, Imagination, Creativity, Motor Skills, Team Building
Number of Pieces	218
Materials	ABS Plastic, TPR Material
Color	Multicolor
Special Features	Non-toxic, Easy to store

WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your MOONTOY 218-Piece STEM Building Blocks, please refer to the contact information provided in the product packaging or visit the official MOONTOY website. Please retain your proof of purchase for any warranty claims or customer service inquiries.

