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> Huaker STEM Building Toys Instruction Manual

Huaker 180

Huaker STEM Building Toys Instruction Manual

Model: 180 Pieces Building Blocks

1. PRODUCT OVERVIEW

The Huaker 180-piece STEM Building Toys set is designed to foster creativity, problem-solving skills, and fine motor development in children aged 3 and up. This versatile set allows for the construction of various structures, vehicles, and figures using a unique ball-and-socket connection system.



Image: An overview of the Huaker 180-piece STEM building toy set, showcasing various colorful components and examples of assembled creations like robots, animals, and wheeled vehicles. A storage box is also visible, along with a child engaging with the blocks.

2. SAFETY INFORMATION

WARNING: CHOKING HAZARD -- Small parts. Not for children under 3 years.

Ensure adult supervision for younger children, especially those under 3 years of age, due to the presence of small components that may pose a choking hazard. All components are crafted from certified non-toxic, BPA-free plastic with zero lead, phthalates, or heavy metals, ensuring safety for children aged 3+.

3. WHAT'S IN THE BOX

Your Huaker STEM Building Toys set includes 180 pieces and an Idea Book, all contained within a large, sturdy storage box. The components are designed for easy connection and versatile building.

In the Box

180 Piece with Idea Book

IDEA Book



Ax30



Bx30



Cx30



Dx30



Ex30



Fx12



Gx6

Image: A visual representation of the contents included in the 180-piece set, detailing the quantity of each type of building block and the accompanying idea book.

Components List:

- **A-type Connectors:** 30 pieces (Red C-shaped connectors)
- **B-type Connectors:** 30 pieces (Green C-shaped connectors)
- **C-type Connectors:** 30 pieces (Grey ball-and-socket connectors)
- **D-type Connectors:** 30 pieces (Blue straight connectors with ball-and-socket ends)
- **E-type Connectors:** 30 pieces (Yellow straight connectors with ball-and-socket ends)
- **F-type Wheels:** 12 pieces (Black wheels with yellow hubs)
- **G-type Eyeballs:** 6 pieces (Decorative eyeball pieces)
- Idea Book
- Storage Box

4. SETUP AND ASSEMBLY

The Huaker building blocks are designed for intuitive assembly. Each connector features a ball-and-socket mechanism,

allowing for flexible and secure connections.

Assembly Steps:

1. **Identify Components:** Familiarize yourself with the different types of connectors and specialized pieces (like wheels and eyeballs).
2. **Connect Pieces:** Align a ball end with a socket end and gently push until you hear a click. The connection should feel secure yet allow for rotation.
3. **Utilize the Idea Book:** Refer to the included Idea Book for step-by-step instructions on building various models, such as cars, dinosaurs, and robots.
4. **Experiment:** Encourage free play and experimentation. The flexible connections allow for a wide range of motion and creative designs beyond the suggested models.

Educational Games for kids 3-12



Image: A child demonstrating the ease of connecting the building blocks, highlighting the hands-on nature of the toy.

5. OPERATING THE TOYS

Once assembled, the creations can be played with interactively. The ball-and-socket joints allow for dynamic movement,

enabling figures to pose, vehicles to roll, and creatures to articulate.

- **Movement:** Roll vehicles on flat surfaces using the attached wheels. Articulate limbs and body parts of figures and creatures by rotating the ball-and-socket joints.
- **Creative Play:** Use the assembled models for imaginative storytelling, role-playing, or as decorative pieces.
- **Disassembly:** To disassemble, gently pull apart the connected pieces. Avoid excessive force to prevent damage.



Image: A child engaged in imaginative play with the building blocks, surrounded by various creations, illustrating the potential for creative expression.

6. MAINTENANCE AND CARE

Proper care ensures the longevity of your Huaker STEM Building Toys.

- **Cleaning:** The construction toys are washable. Clean with mild soap and water as needed. Rinse thoroughly and air dry completely before storing.
- **Storage:** Utilize the provided large, sturdy storage box for convenient and organized storage of all pieces. This

helps prevent loss and keeps the play area tidy.

- **Avoid Extreme Conditions:** Do not expose the blocks to extreme heat or prolonged direct sunlight, as this may cause warping or discoloration.



Image: A family playing together with the building blocks, showing the storage box in the background, promoting easy cleanup and organized play.

7. TROUBLESHOOTING

While these building blocks are designed for durability and ease of use, here are some common considerations:

- **Difficulty Connecting Pieces:** Ensure the ball end is properly aligned with the socket. A firm, steady push should secure the connection. Avoid twisting or forcing.
- **Loose Connections:** If a connection feels loose, ensure both pieces are clean and free of debris. Repeated forceful disassembly might slightly wear down the joints over time, but this is generally minimal.
- **Missing Pieces:** Count your pieces periodically, especially after play sessions, and store them securely in the provided box to prevent loss.

8. SPECIFICATIONS

Feature	Detail
Brand	Huaker
Model	180 Pieces Building Blocks
Product Dimensions	6 x 5.99 x 6 inches
Item Weight	2.83 pounds
Recommended Age	36 months - 12 years
Material	Certified non-toxic, BPA-free plastic (Zero lead, phthalates, or heavy metals)
Total Pieces	180

9. WARRANTY AND SUPPORT

For specific warranty information or product support, please refer to the documentation included with your purchase or visit the official Huaker website. Contact information for customer service is typically provided on the product packaging or the manufacturer's website.

