The Construction Toy of the future

Qubits®

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Before you begin

When we say Qubits are perfect for all ages, we mean it

Dear Creator,

Welcome to the world of Qubits! An open-ended modular building set, Qubits is different than any other toy because we believe in stepping outside of the box to create. You won't find a lengthy instruction manual here but rather a book filled with ideas and possibilities to spark creativity and ingenuity.

Created during a college graphic design class, Qubits is designed to challenge builders of all ages to sit down and create using modular pieces, whether you are in kindergarten or college.

For the past ten years Qubits have found themselves in middle school classrooms teaching how to create a marshmallow trebuchet to college classes learning the difference between 3D polyhedron and 2D polyhedrons. In fact, exploring several "new" polyhedrons have been discovered, including the Icosienneahedron.

So grab a handful of Qubits and let your imagination take flight.

Dream big,

Mark & Lisa Burginger
Inventors and Owners of Qubits Toy

Qubits is an open-ended modular building set that doesn't rely on instructions.

Fun Fact: Qubits, pronounced Q Bit is a Quantum bit in physics

www.QubitsToy.com
Terms to know

Qubit: A four-sided construction toy piece containing two clips

Bridge: A support construction toy piece that fits on the outside rail of a Qubit.

Hexagon: A six-sided polygon

2D - A two-dimensional shape such as a circle, square, or triangle

3D - A three-dimensional shape such as a pyramid, sphere, or cube.

Geometry: The study of shapes in mathematics.

Symmetry: When two or more parts are identical after a flip, slide or turn.
It's a Snap to Play with Qubits

To Build:
Just align the triangles on the Qubit piece and insert the clips into the hexagon. Snap the pieces together and you are ready to build!

To add a bridge, slip the clip onto the outside rail of a Qubits piece.

We recommend building your 2-D model first with Qubits then adding bridges to turn your structure 3-D!
Five Ways to Build

Challenge a Friend: Who can build all these shapes the fastest?

1. **SUPER STAR**
   - This fun shape makes great wheels!

2. **X-SHAPE**
   - Join together 6 Qubits to make this X pattern.

3. **TRIANGLE SHAPE**
   - 6 Qubits make this shape. What does it look like to you?

4. **MEGA 12 PIECE STAR**
   - Is it a snowflake or a star? You decide!

5. **VORTEX SHAPE**
   - The strongest shape possible.

www.QubitsToy.com
There's no limit on imagination.

BETTER THAN BLOCKS
BECAUSE YOU CAN BUILD BIG:
Large pieces help build bigger creations. See how big a tower you can build. Span a bridge across several tabletops. With 50 pieces per kit you can keep adding kits and accomplish bigger and bigger builds. The unique shape of the pieces forces students to think outside of the box to create new constructs.

Meet K.K. she is a childhood cancer survivor.
Project Ideas

Robotics project will come to life with big strong Qubits pieces. They can be made permanent using either beads for locking and/or 4" zip ties.

Building hoops is a task best suited for a parent and a young child. Secure everything in place with those zip ties. Fishing line works well for hanging the feeder from a tree branch.

If you are a master Qubits Builder, you can make a Rover Vehicle using (3) kits. Seek help with complex projects on our website.

www.QubitsToy.com
More project ideas

Qubits Float!

www.QubitsToy.com
Color Theory

ROYGBIV - Red / Orange / Yellow / Green / Blue / Indio Violet similar to just plain Purple - Do you remember this old memory acronym? They help you keep track of the colors commonly known for making the spectrum of colors within a Rainbow. We mimic that theory with our toy.

www.QubitsToy.com
observations
The founders of Qubits Toy look forward to engaging you with content via our website or our social media accounts.
For over 10 years, Qubits has strived to inspire young engineers, architects, scientists, mathematicians and creative minds of all ages. Qubits is more than just another toy, it is a tool for teachers and educators.

**Contents:** 50 Qubits Toy Pieces

Safety Tested! ASTM - Not for children under 5 years. - ITEM #000126

Most models shown can be made only one at a time. Some demonstration models require multiple kits. Big models can sometimes require hundreds of pieces.

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