Skewb

a.k.a. Pyraminx Cube

Purchased from Meffert's 2007.
(plastic, 2.2 inches)

Here is a photo of the other three sides:

The cube can be rotated along any of the planes that passes diagonally through the cube:

Jaap's Page credits this puzzle to Tony Durham, says that it was originally called the Pyraminx Cube by Meffert, that Douglas Hofstadter coined the name Skewb in a 1982 Scientific American article, discusses the relationship of the Skewb to the Pyraminx, and presents a solution. There are a number of variations of this puzzle, including the Skewb Diamond, Super Skewb Diamond, the Skewb Ultimate, Skewb Kite, the 3d Skewb Cube, and the Skewb Ball.

Further Reading
Meffert's Page, from: http://www.mefferts.com/puzzles/skewbsol.html
Jaap's Page, from: http://www.geocities.com/jaapsch/puzzles/skewb.htm
Dry Erase Board Page, from: http://www.thedryeraseboard.com/mechpuz/skewb/solution
A Cubist Page, from: http://www.acubist.com

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Augmented Skewbs

**Augmented Faces Skewb**

a.k.a. Polymorphix Limited Edition

*Purchased from Meffert's 2008.*

(plastic, 3.5 inches)

Same as the *Skewb* where each face has a protruding piece on it. The colors of each of the four faces of a protrusion must match the color of the corresponding adjacent face, which gives an explicit constraint to the orientation of a face with respect to its corners.

**Augmented Corners Skewb**

a.k.a. 3D Skewb

*Purchased from Meffert's 2008.*

(plastic, 2.9 inches)

Same as the *Skewb* where each corner has been replaced with a protruding piece (that has the same three colors that match the adjacent faces).

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