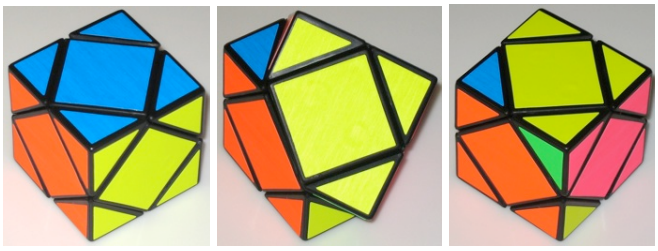
Skewb

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
McFarren's Page, from: http://www.geocities.com/abcmcfarren/math/Skewb.htm
Dry Erase Board Page, from: http://www.thedryeraseboard.com/mechpuz/skewb/solution
A Cubist Page, from: http://www.acubist.com

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).