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**Betty Love\*** (blove@unomaha.edu), Mathematics Department, University of Nebraska - Omaha, Omaha, NE 68182, and **Victor Winter** (vwinter@unomaha.edu), Computer Science Department, University of Nebraska - Omaha, Omaha, NE 68182. *The Mathematics and Art of the Wunderlich Cube.*

A Wunderlich curve is constructed using rotations and reflections of an initial seed shape to create patterns which can be connected to form a space-filling curve. A Wunderlich cube is a cube whose faces contain raised stamp shapes corresponding to reflections of a seed shape and reflections of its 90-degree rotation. Wunderlich cubes embody numerous spatial reasoning puzzles. We will discuss how an understanding of the properties of the Wunderlich cube can be developed through manual construction using LEGO<sup>®</sup> mathematical analysis, computational thinking, coding, and 3D printing. (Received September 08, 2016)