

Katie

Blyth

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Math Project:

I made a figure that helped me understand the 5-D and 4-D cube. To do this I made one cube then dragged it in a new direction. The orange colored wood represents the dragging of the original cube. This then made two cubes perpendicular to each other. After that I drug these two cubes out to make two more cubes perpendicular to the other two cubes. This dragging is represented by the non-colored (brown) wood. So basically this cube is actually dragged in a new direction. A four dimensional cube is also called a Tesseract. I chose to recreate this cube because I was having trouble understanding how it worked. I just could not picture how this dragging happened. I could not visualize what kind of object was made by the dragging. The picture in the book helped but did not truly let me understand it, because there was to much going in the one picture. But making and having to do it myself cleared this problem up for me. It allowed me to see what happened step by step. Building this cube, to the best of my ability, has helped me understand the five dimensional concept and also the concept of pulling or dragging something into what you called a four dimensional time. Since four dimensional time is not something one can see, my cube/project is just something that aided me in understanding the concept.