

# The Leonardo: Everything Changes When Math Meets Art

The “Geomorph,” exhibition date approaches and I’ll be building shape-changing geometrical structures; preparing large high definition LCDs, to display animations of new and ancient geometries, setting up an interactive program designed as a visual and geometrical game of logic; printing out posters that show the geometries and the mathematics behind them, and collecting materials so that visitors can build and discover new 3D forms of their own, etc. The Geomorph theme builds on the concept of making geometry a medium of discovery and on the idea that there are two types of mathematics, “Calculator Math,” and “Discovery Math,” – where schools tend to teach, “calculator math,” and thereby miss the whole idea of “discovery math,” where students can really be innovative and explore new ideas.

To get an idea of the types of geometries that will be shown please see the page, “Mathematics Meets Art Exhibition.”