



folded spaces  
a study on the three-dimensional grid

folded spaces is an exercise for making physical design. These studies serve as a platform for creating physical interactive interfaces, mechatronic sculpture, or possibly structural models for set designs.

### Rules of Engagement

1. Take a 9 x 9 inch piece of two-color foam core.
2. Sub-divide the foam core into three rows and columns of squares.
3. Use a sharp blade and straight edge to carefully sear or cut through the foam core along the borders of the squares.
4. Fold the foam core along the cut.
5. Study the emerging three-dimensional form.
6. Unfold the foam core and make another cut.
7. Never re-attach a section of the foam core that has been severed.
8. Repeat these actions until you have perfected the three-dimensional study, or you take it too far.
9. Use surplus balsam wood, brass tubing and pins from other projects to fasten the folded shape and add dynamic vectors to the folded space.



