Luke Ehlers, Jonah Yesowitz

Ms. Gerstein

Advanced Manufacturing

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**Materials and Parts**

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| PART | MATERIAL | QUANTITY | DIMENSIONS (in.) |
| Top/Bottom Sheet | Wooden Rectangle | 2 | LENGTH: 7.5  WIDTH: 8  THICKNESS: .25 |
| Side Sheets | Wooden Rectangle | 2 | LENGTH: 6  WIDTH: 5.5  THICKNESS: .25 |
| Cam 1 | Wooden Rectangle | 4 (2 sets of 2 glued) | LENGTH: 2.94  WIDTH: 1.7 THICKNESS: .5 |
| Cam 2 | Wooden Rectangle | 4 (2 sets of 2 glued) | LENGTH: 2.55  WIDTH: 1.86 THICKNESS: .5 |
| Cam 3 | Wooden Rectangle | 4 (2 sets of 2 glued) | LENGTH: 3.52  WIDTH: 2.10 THICKNESS: .5 |
| Horizontal Rod | Wooden Dowel | 2 | RADIUS: .25 HEIGHT: 8.25 |
| Vertical Rod | Wooden Dowel  Wooden Base (Circle) with Insertion Hole | 6 | DOWEL RADIUS: .25  DOWEL LENGTH: 4  BASE RADIUS: .375  BASE THICKNESS: .5  HOLE RADIUS: .25  HOLE DEPTH: .2 |
| Crank | Wooden Body  Wooden Handle | 2 | BODY RADIUS: 1  BODY HEIGHT: .5  HANDLE RADIUS: .2  HANDLE HEIGHT: .75 |
| Fabric “Waves” on top | Blue Fabric | 1 | LENGTH: 12  HEIGHT: 12 |