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Advanced Manufacturing

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**Materials and Parts**

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| PART | MATERIAL | QUANTITY | DIMENSIONS (in.) |
| Box/Base | Hollow wooden box | 1 | LENGTH: 7.5  WIDTH: 8 HEIGHT: 6  THICKNESS: .25 |
| Cam 1 | Irregular Wooden Cam (cut from rectangle) | 1 | LENGTH: 2.94  WIDTH: 1.7 HEIGHT: 1 |
| Cam 2 | Irregular Wooden Cam  (cut from rectangle) | 1 | LENGTH: 2.55  WIDTH: 1.86 HEIGHT: 1 |
| Cam 3 | Irregular Wooden Cam  (cut from rectangle) | 1 | LENGTH: 3.52  WIDTH: 2.10 HEIGHT: 1 |
| Horizontal Rod | Wooden Dowel | 2 | RADIUS: .25 HEIGHT: 8.25 |
| Vertical Rod | Wooden Dowel  Wooden Base with Insertion Hole | 6 | DOWEL RADIUS: .25  DOWEL HEIGHT: 4  BASE RADIUS: .375  BASE HEIGHT: .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 |