

# Crazy Contraptions



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## Tools Needed for This Activity

Process	Process Description	Recommended Tool	Alternate Tool
Cutting	Cutting dowels, strips, recycling bin items, etc.	Multi-cutter 1373816	Saw, pruning shears, etc.
Reaming	Changing splined holes in components from press fit (dowels press and stay) to loose fit (dowels are able to slide and rotate)	Reamer 1373819	#3 drill bit and drill
Screwing	Tightening and loosening screws	Screwdriver 1373817 and 1373822	None
Holding and Pulling	Holding nuts, pulling apart components	Pliers 1373820	None

## Kit Contents

Component	10 Pack Quantity
Connector Strips	160
Marbles	30
70 mm Pulleys	10
55.5 mm Pulleys	10
25.5 mm Pulleys	10
9 mm Pulleys	10
50 Tooth Gears	10
40 Tooth Gears	10
20 Tooth Gears	10
10 Tooth Gears	10
Toy Cars	10

Component	10 Pack Quantity
Portion Cups	20
Chipboard Sheets	50
Wire Rolls	4
Slide-stop	5
Perpendicular Blocks	100
Dowels	100
Angle Brackets	40
1 " Screws	200
Hex Nuts	200
Rubber Bands	50
Stop Clips	60



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**Make Your Crazy Contraption Even Better  
by Incorporating Recycling Bin Material**

**Incredible, affordable inventions  
that really work!**