

# Activity 6.4 Product Disassembly Chart

Product      **Gripper**  
 Names:      **Ryan, Joey, Hayden,  
 Anika**  
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 Date: \_\_\_\_\_  
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 Time: \_\_\_\_\_  
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<u>Part #</u>	<u>Part Name</u>	<u>Qty</u>	<u>Dimension</u>	<u>Function</u>	<u>Material</u>	<u>Density</u>	<u>Mass or Weight</u>	<u>Texture and Finish</u>	<u>Interaction with Other Parts</u>	<u>General Notes (i.e.; wear, stress indicators)</u>
1	claw	2	3.814 inches long 1.2 wide	Grab things	plastic	.92 per cubic centimeter	5.66 grams	rough	The claws are connected by a string to the handle	Has ridges for extra grip
2	spring	1	.473 in in diameter	Moves handle back to base	metal	Though the densities vary, the density of steel is about 7700 kg/m <sup>3</sup>	2 grams	smooth	Pushes the handle so it doesn't get stuck in one position	none

3	Handle	1	5.5 in long 2.2 in wide	Provides a place to hold	plastic	.92 per cubic centime ter	15 grams	smooth	Connects to the shaft	none
4	Claw Attacher ("Y" Piece)	1	Diameter: 0.6 in Height: 2.785 in Cylinder: 1.925 in Bottom side: 1.645 in Holes: 0.25 in Thicknes s: 0.6 in	Attaches the shaft and the claws	plastic	.92 per cubic centime ter	7 grams	smooth	Connects shaft and claws	none
5	Button	1	Height: 3.6 in Width: 0.975 in Thicknes s: 0.55 in Holes: 0.25 in	Closes the Claws	plastic	92 per cubic centime ter	7 grams	smooth	connects to handle and functions claw activator	None
6	Screw	1	Height: 0.479 in Thicknes s: 0.065 in	Keeps the claws and string together	metal	Though the densiti es vary, the density of steel is about 7700 kg/m <sup>3</sup>	0 grams	smooth	holds claws together with claw attatcher	None

7	Claw activator (Plastic Part)	1	Length: 2 in Thickness 1: 0.242 in Thickness 2: 0.48 in Width: 0.31 in	Activates the claw	Plastic	92 per cubic centimeter	4 grams	smooth	connects with handle	None
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Part#	Part Name	Qty	Dimensions	Function	Material	Density	Mass or Weight	Texture and Finish	Interaction with Other Parts	General Notes (i.e.; wear, stress indicators)
8	String	1	Length: 28 inches Thickness : .03 Inches	Causes the claws to close	metal	Though the densities vary, the density of steel is about <b>7700 kg/m<sup>3</sup></b>	0 grams	smooth	Attaches to the claws and Claw attacher	None
9	Hook on string	1	Length: .75 inches Width: .34 inches Thickness :0.35 inches	Hooks the claws together	Metal	Though the densities vary, the density of steel is	0 grams	smooth	Connects to the string	None

