



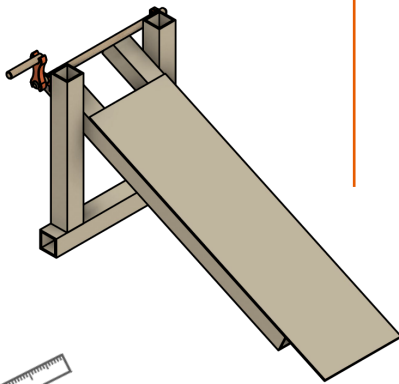
0.5-1 hour



Grit required

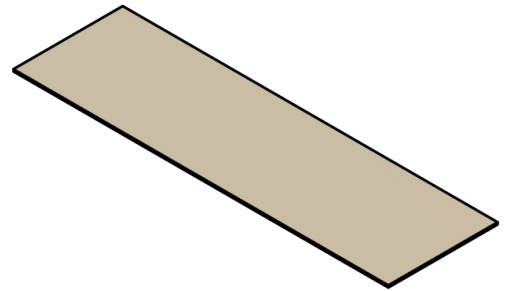
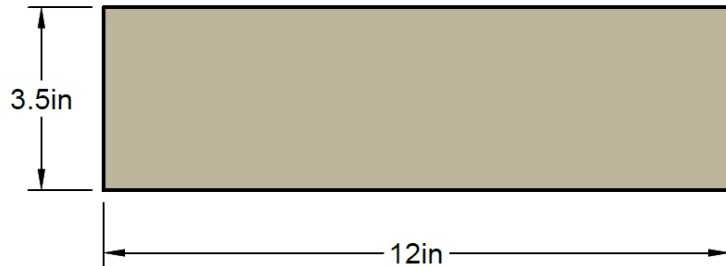


Ages 5+

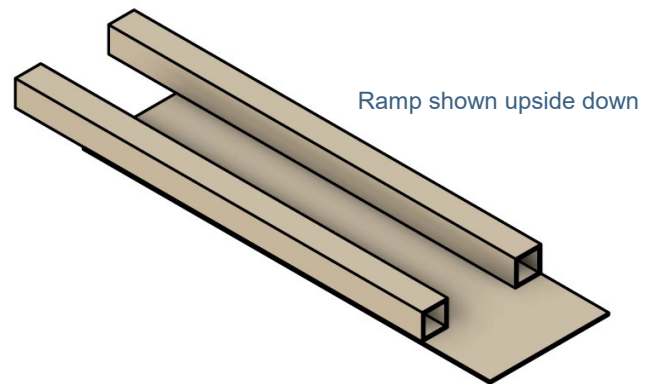
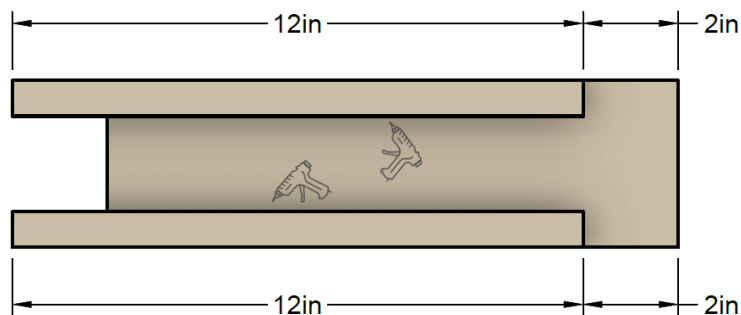


Part	PN	Part name	Qty
	1001	Cori Beam 12in	5
	2011	Crank Arm for 1/4" Dowel	1
	2004	Snap In Bracket for 1/4" Dowel	2
	2007	Retaining Ring 1/4"	2
	9002	Dowel Wood Round 6" x 1/4"	1
	9003	Dowel Wood Round 1 1/2" x 1/4"	1
	9020	Waxed Polyester String, 3ft	1

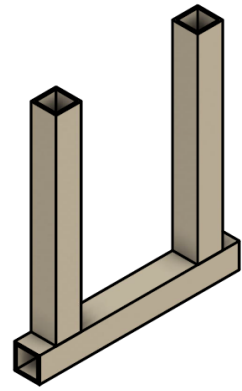
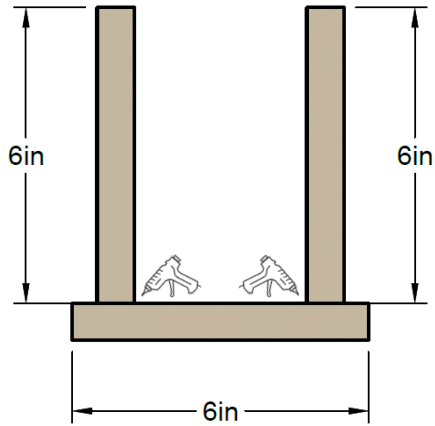
**1** Start the ramp with an unfolded Cori beam, or cut a piece of cardboard to the dimensions below.



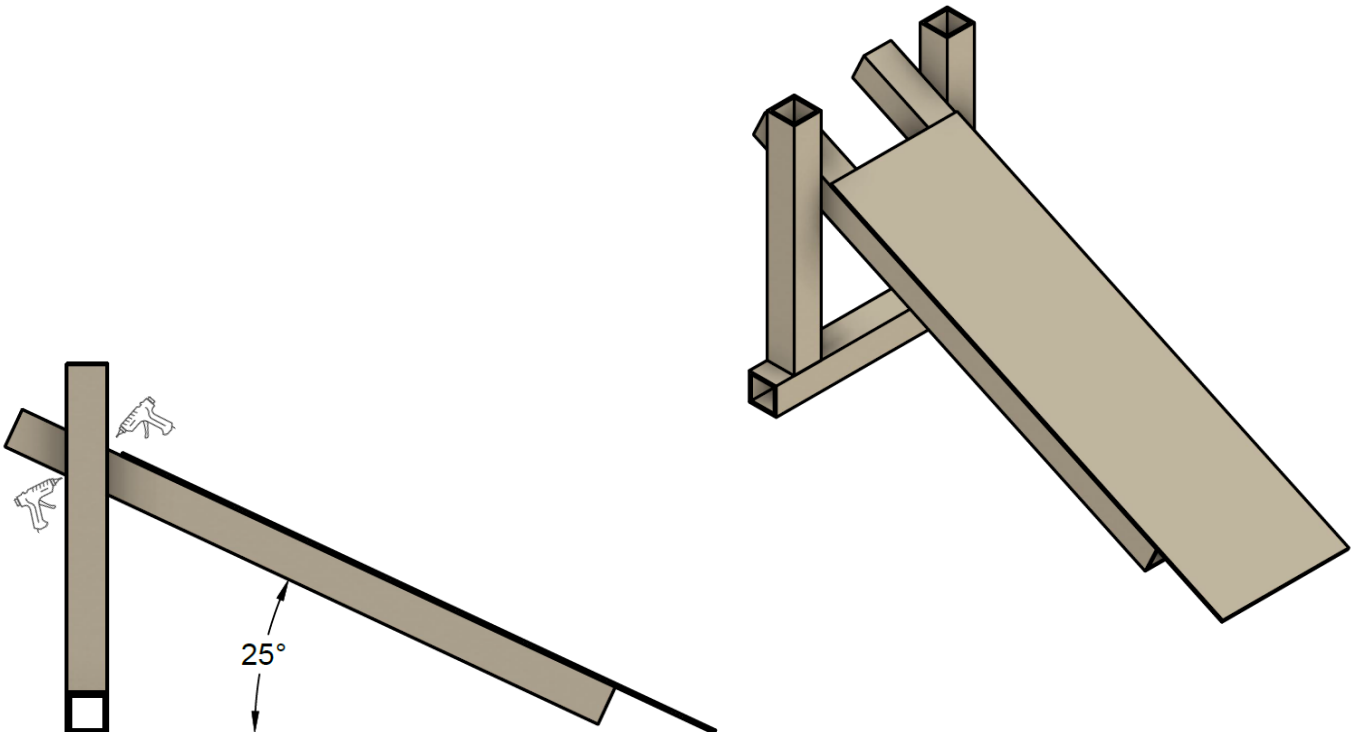
**2** Add two 12 inch beams to the ramp from step 1 letting them overhang about 2 inches. Glue where indicated.



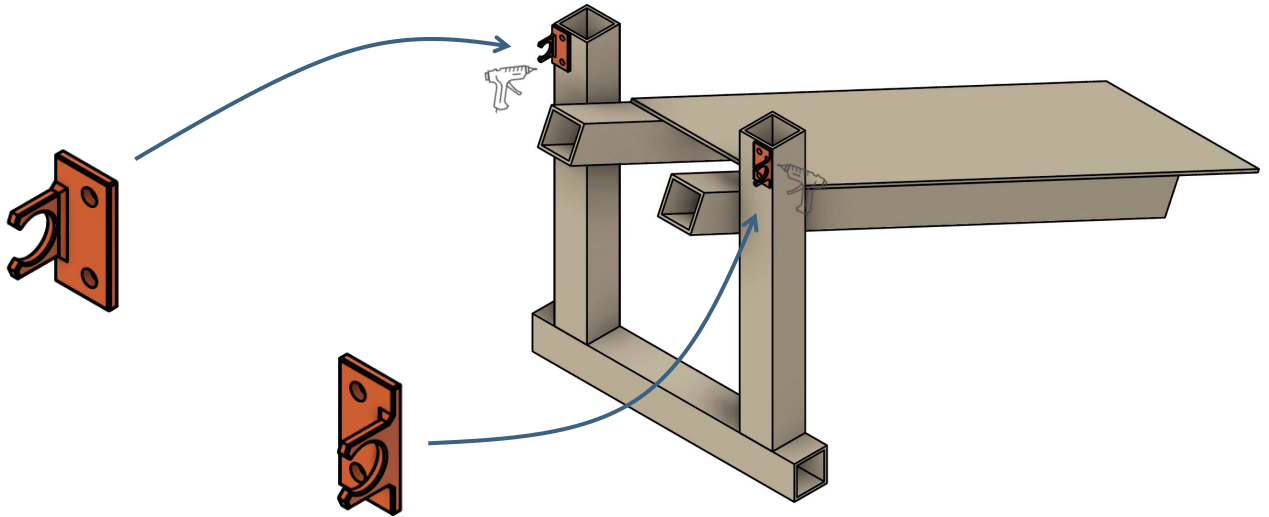
- 3 Cut and fold three 6 inch Cori beams to the dimensions below to form the ramp support structure. Make sure the ramp from step 2 will fit in between the vertical posts. Glue where indicated.



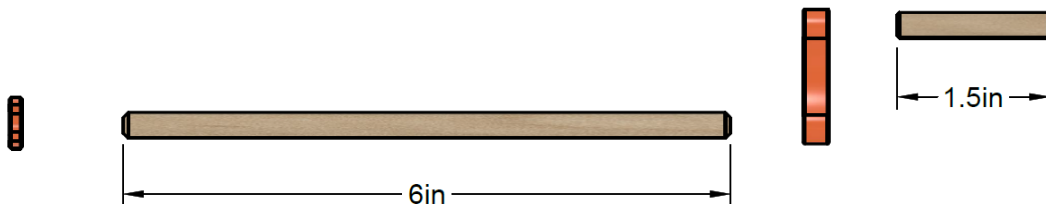
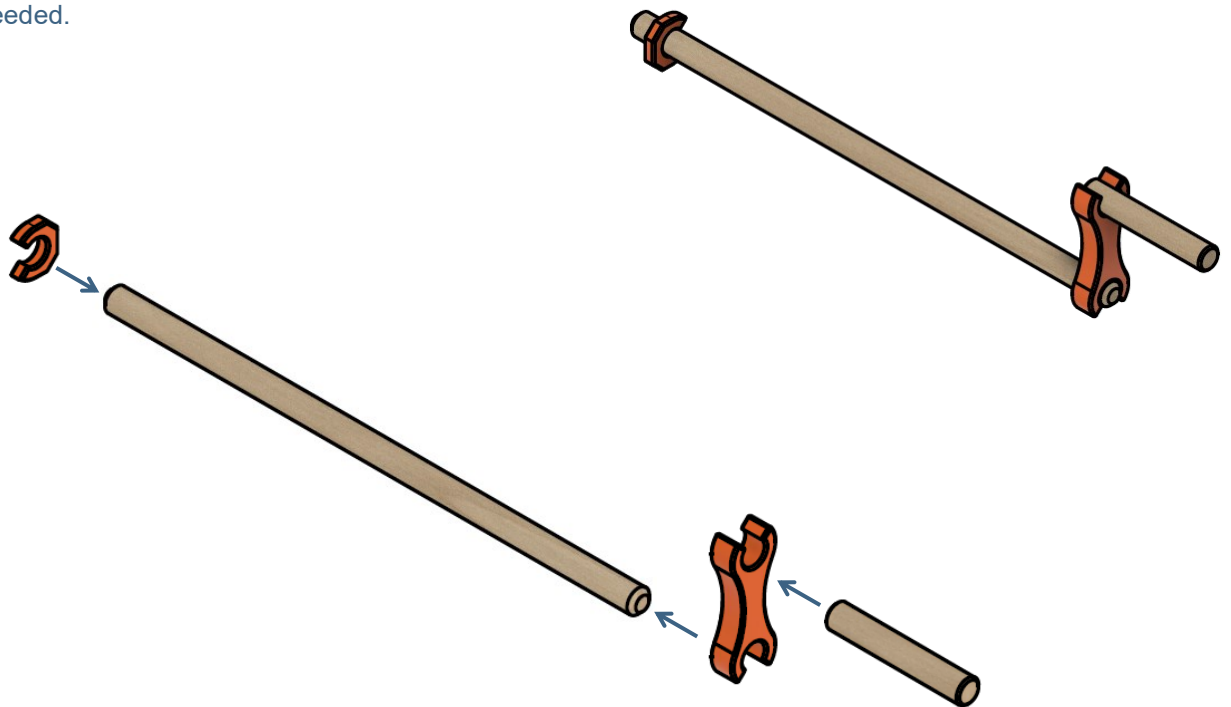
- 4 Glue the ramp from step 2 to the support structure in step 3 to achieve desired ramp steepness. For this example we chose a ramp angle of about 25 degrees.



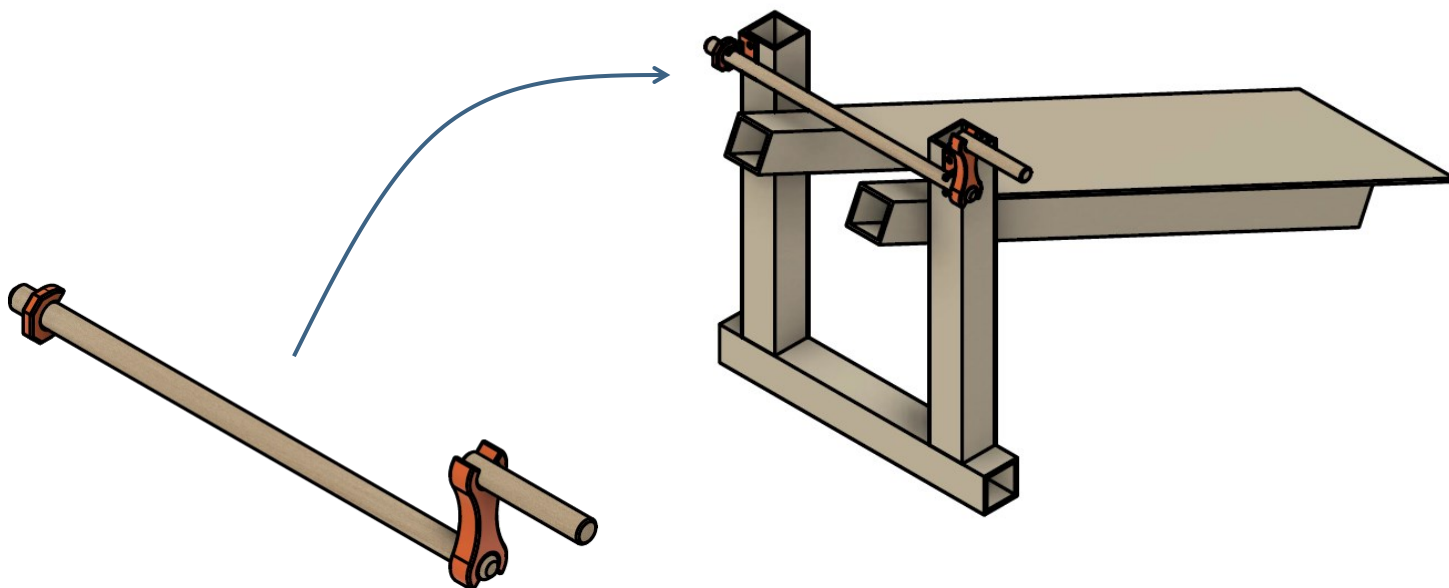
- 5 Glue the snap in brackets to the top of the vertical beams making sure they are vertically aligned.



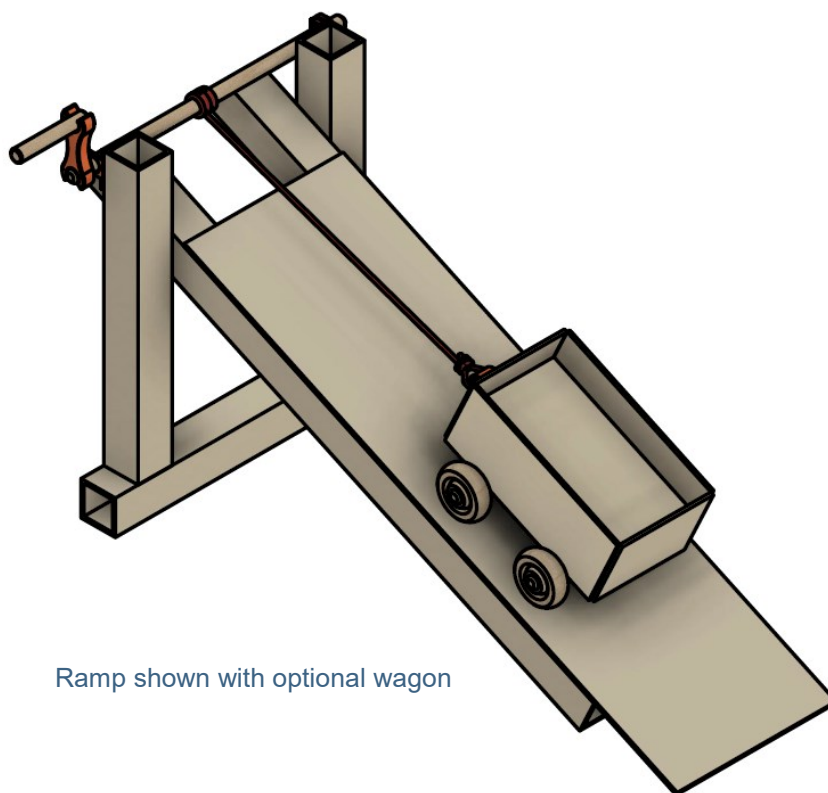
- 6 Assemble the winch and the crank arm as illustrated. Use glue if needed.



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- 7 Snap the winch assembly into the brackets from step 5. It should rotate freely.



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- 8 Tie a loop to one end of the string, and tie the other end to the winch shaft. Turn the crank handle to pull an object up the ramp.



Ramp shown with optional wagon

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