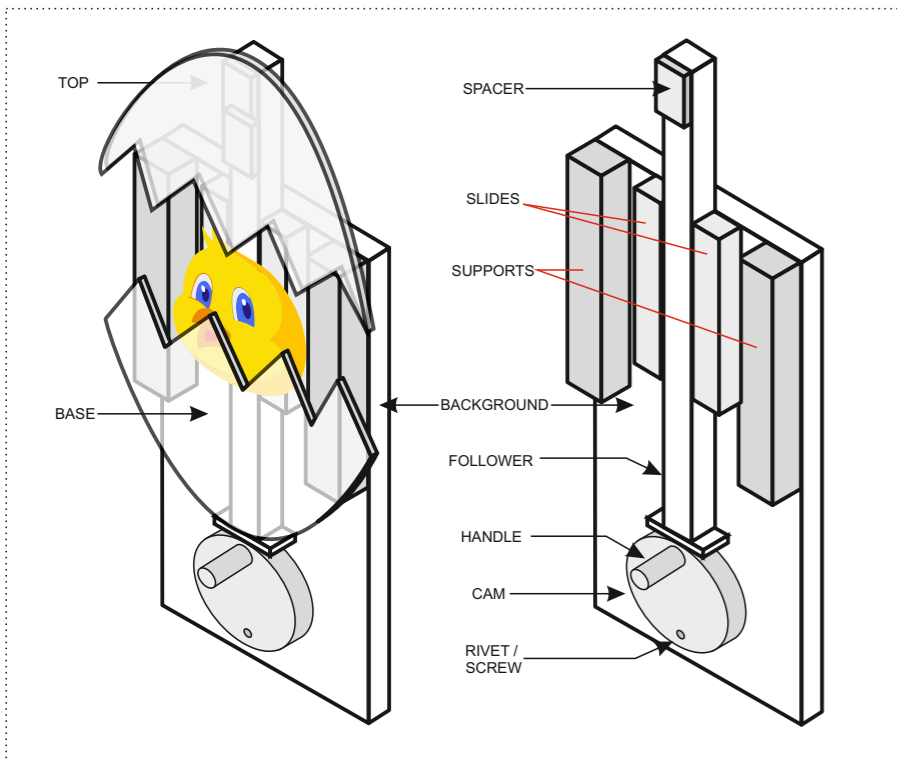


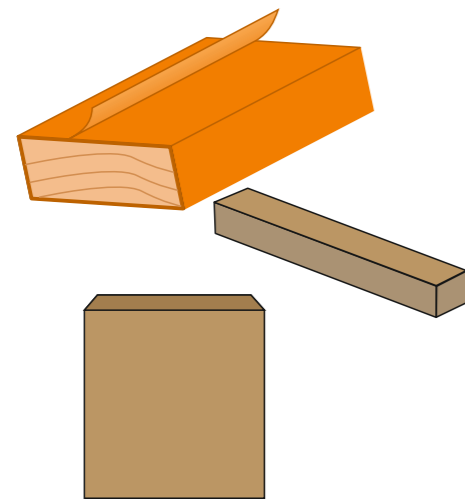
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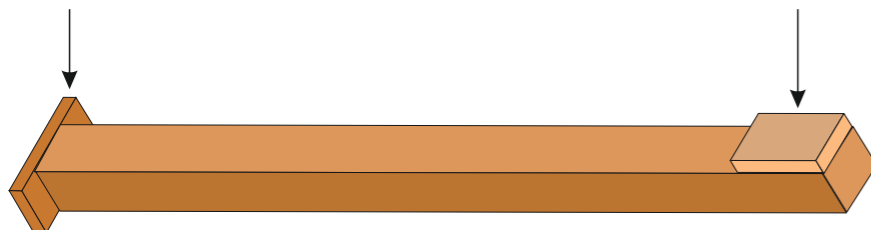
4a. REMOVE ROUGH EDGES FROM THE ENDS OF THE SLIDES, SUPPORTS AND FOLLOWER USING GLASSPAPER. ENSURE THAT THE SIDES ARE ALSO SMOOTH.



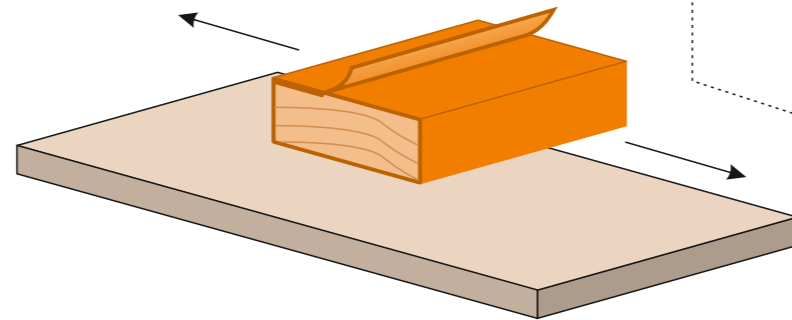
ADD A 'FLAT' TO THE FOLLOWER

4b.

ADD A SMALL 'SPACER'

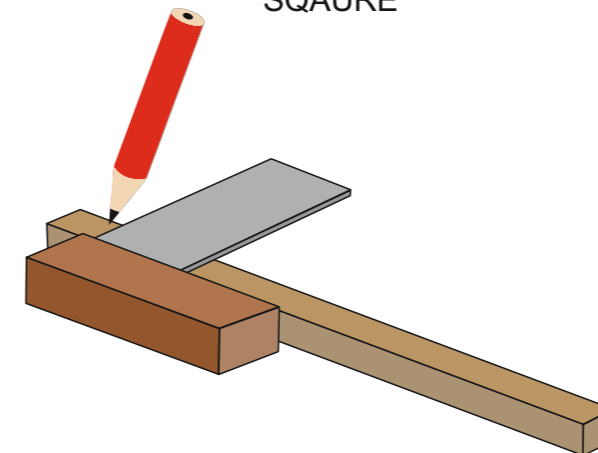


1. USE A SANDING BLOCK A GLASSPAPER TO REMOVE ROUGH EDGES AND TO SMOOTH THE SURFACES



https://technologystudent.com/despro_flnh/finish2.html

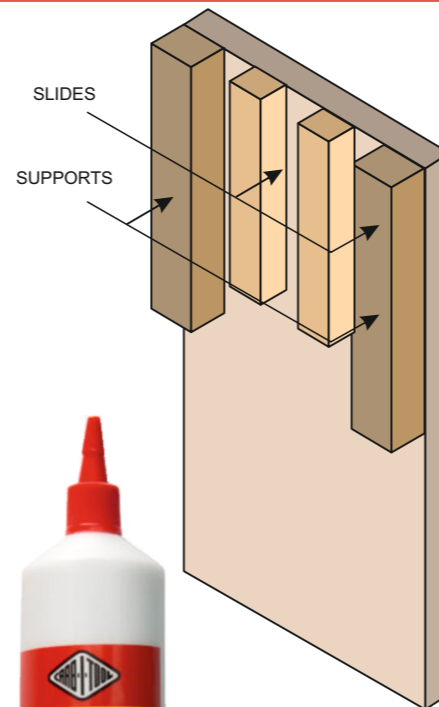
2. MARK OUT EACH OF THE SLIDES, SUPPORTS AND FOLLOWER TO THE CORRECT SIZE. YOU WILL NEED TO MARK ACCURATELY USING A TRY SQUARE



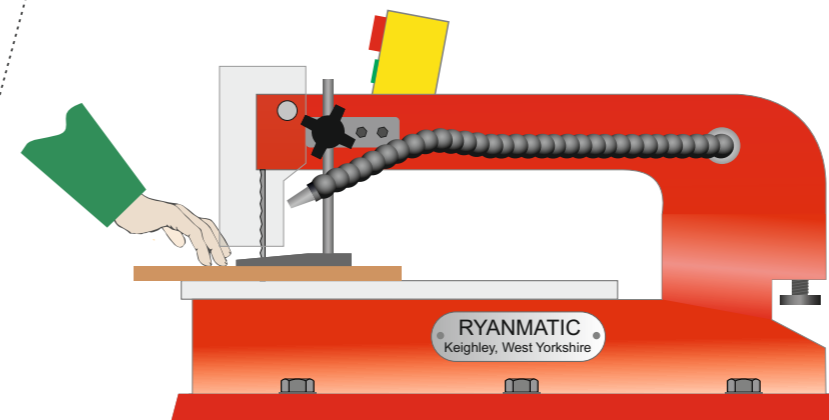
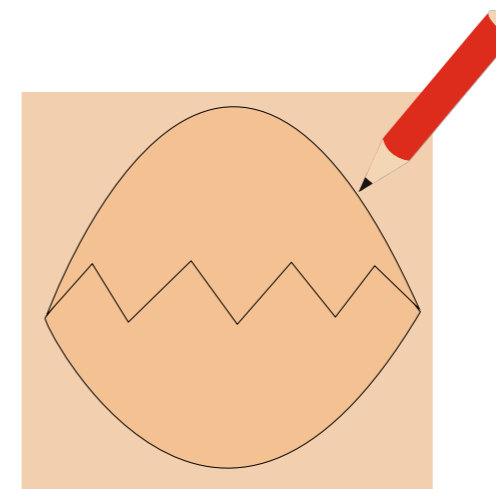
<https://technologystudent.com/equip1/try1.htm>

5. GLUE THE SIDES AND SUPPORTS ON TO THE BACKGROUND USING PVA GLUE

<https://technologystudent.com/equip1/gluewd1.htm>

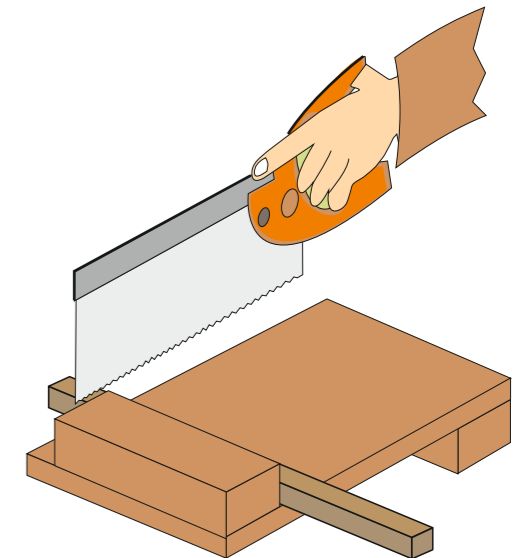


6. MARK OUT THE TOP (MOVING PART) AND BOTTOM PARTS. THIS EXAMPLE SHOWS THE 'EGG'

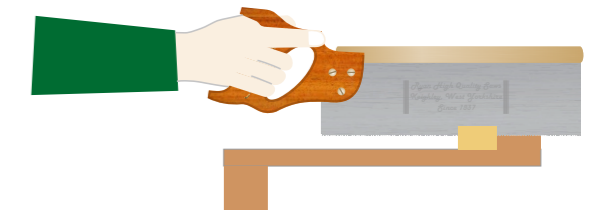


<https://technologystudent.com/equip1/fretsw1.htm>

3. USE A TENON SAW AND BENCH HOOK TO CUT EACH OF THE SLIDES, SUPPORTS AND FOLLOWER TO THE CORRECT SIZE.

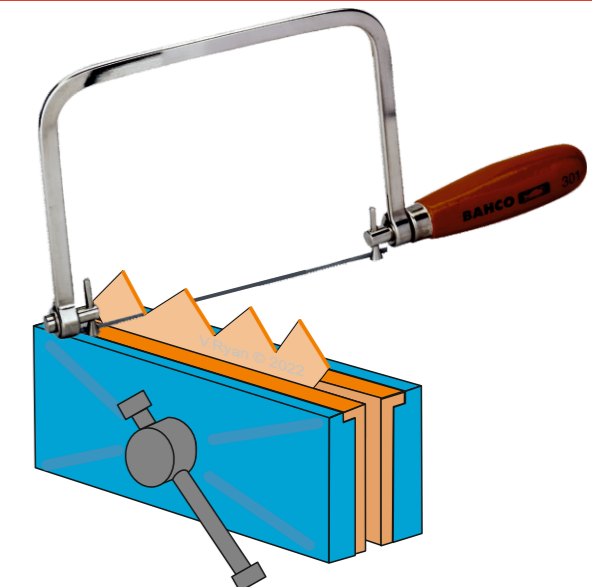


<https://technologystudent.com/equip1/bksaw1.htm>



7. USE A COPING SAW OR A FRETSAW / SCROLL SAW TO CUT OUT THE SHAPES. SMOOTH WITH GLASSPAPER.

<https://technologystudent.com/equip1/coping1.htm>

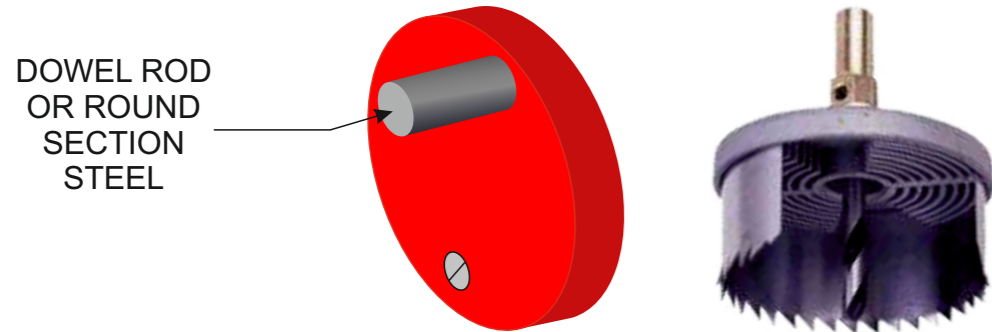


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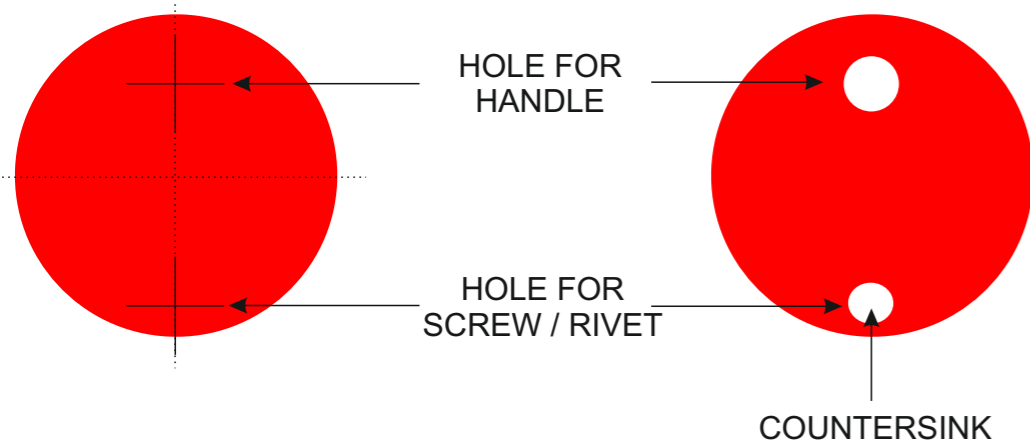
8a. THE HANDLE CAN BE CUT FROM DOWEL ROD / STEEL ROD. THE CIRCULAR CAM - CAN BE PRE-CUT ON A LASER CUTTER OR USE A HOLE SAW ON A DRILLING MACHINE TO CUT A CIRCULAR SHAPE



DOWEL ROD OR ROUND SECTION STEEL

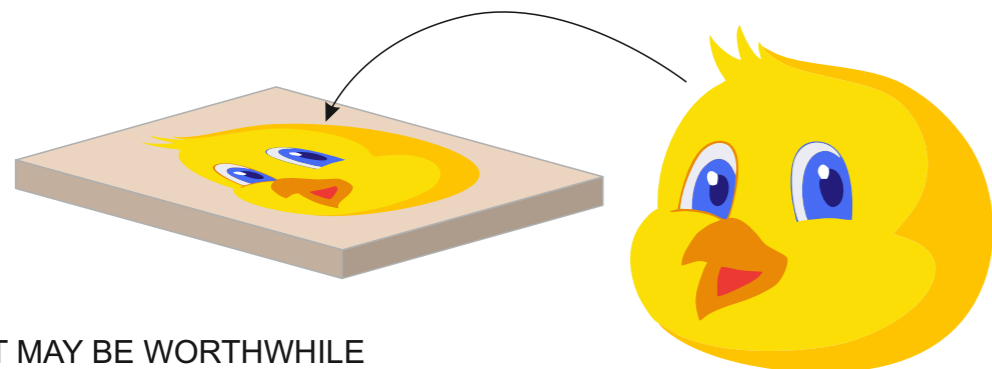
<https://technologystudent.com/cams/lasr1.html>
<https://technologystudent.com/equip1/macdr1.htm>

8b. MARKOUT THE HOLES FOR THE HANDLE AND THE SCREW / RIVET TO THE CORRECT SIZES ACCORDING TO EACH DIAMETER.



11. MARK OUT AND CUT THE MATERIAL FOR THE CARTOON CHARACTER.

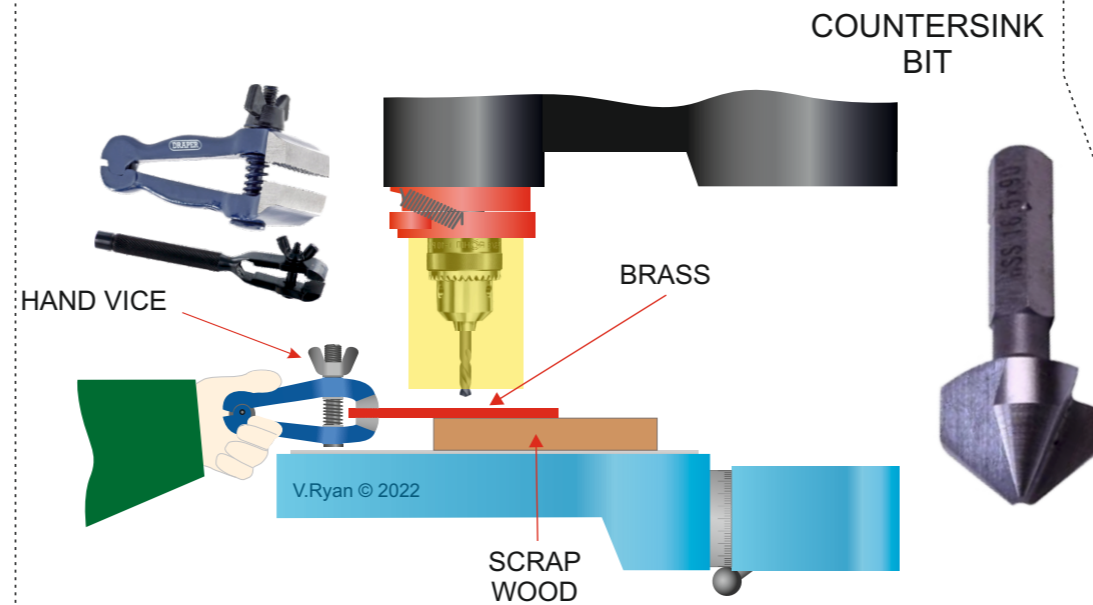
ADD COLOUR OR USE A PRINTOUT. IF A PRINTOUT IS USED, GLUE IT TO THE SURFACE OF THE MATERIAL AND ALSO ADD A COAT OF GLUE OVER THE TOP.



IT MAY BE WORTHWHILE USING THE TECHNIQUE CALLED DECOUPAGE

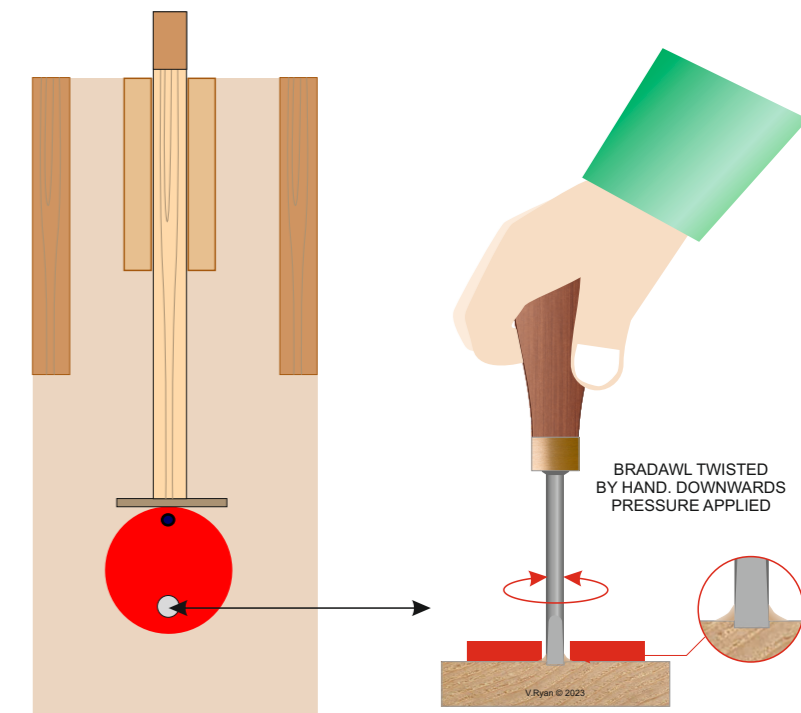
https://technologystudent.com/joints_fish/cont2.html

9. WHEN DRILLING ON A MACHINE DRILL, USE A HAND VICE TO HOLD THE CAM. COUNTERSINKING OF THE 'SCREW HOLE / PIVOT' WILL BE REQUIRED.



https://technologystudent.com/equip_fish/hdrill.html

10. WORK OUT THE BEST POSITION FOR THE 'CAM' AND MARK THE 'PIVOT' HOLE ON THE SURFACE OF THE BACKGROUND, USING A BRADAWL. DRILL THE PIVOT HOLE.



https://technologystudent.com/equip_fish/bradawl1.html

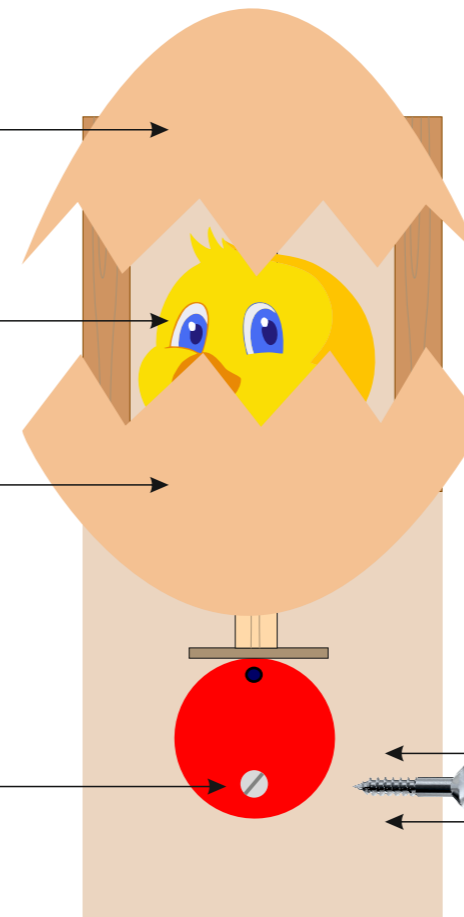
12. ASSEMBLY OF COMPONENTS / PARTS

GLUE THE TOP TO THE FOLLOWER

GLUE THE FACE / CHARACTER ON TO THE BASE

GLUE THE BASE ON TO THE SUPPORTS

FIX THE SCREW INTO THE BACKGROUND, THROUGH THE CAM.



ADD SUITABLE FINISH / COLOUR.

TEST THE ASSEMBLED MECHANICAL TOY

EVALUATE AND IMPROVE

QUALITY CONTROL LINK

<https://technologystudent.com/prddes1/qual2.html>

EVALUATION LINK

<https://technologystudent.com/cams/mechev3.htm>

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