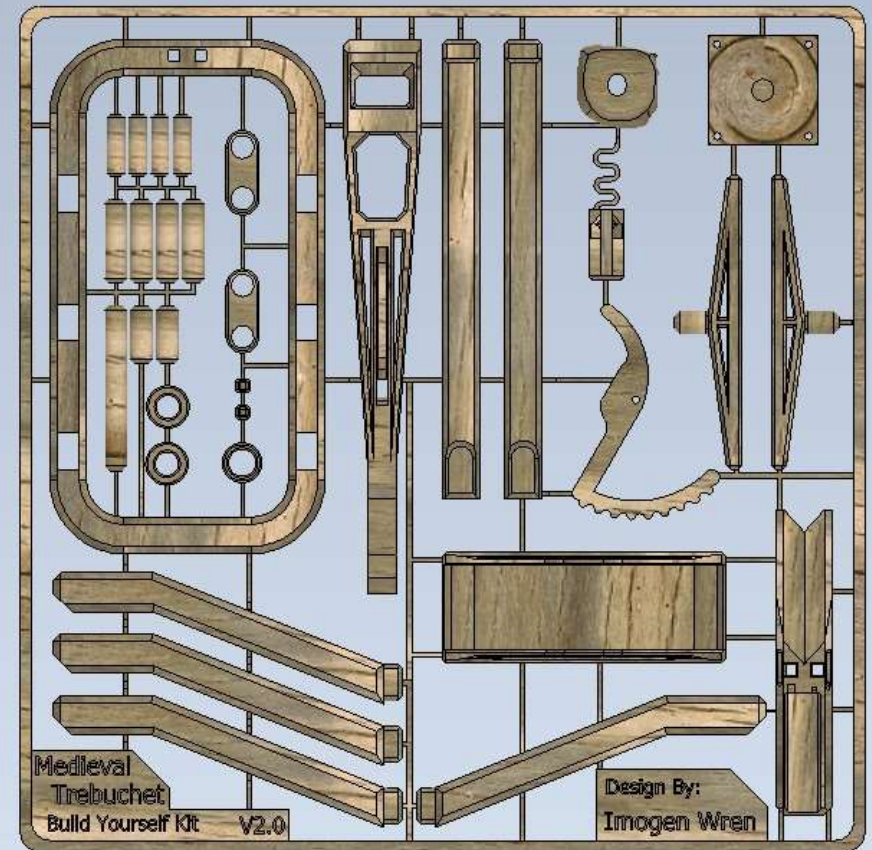
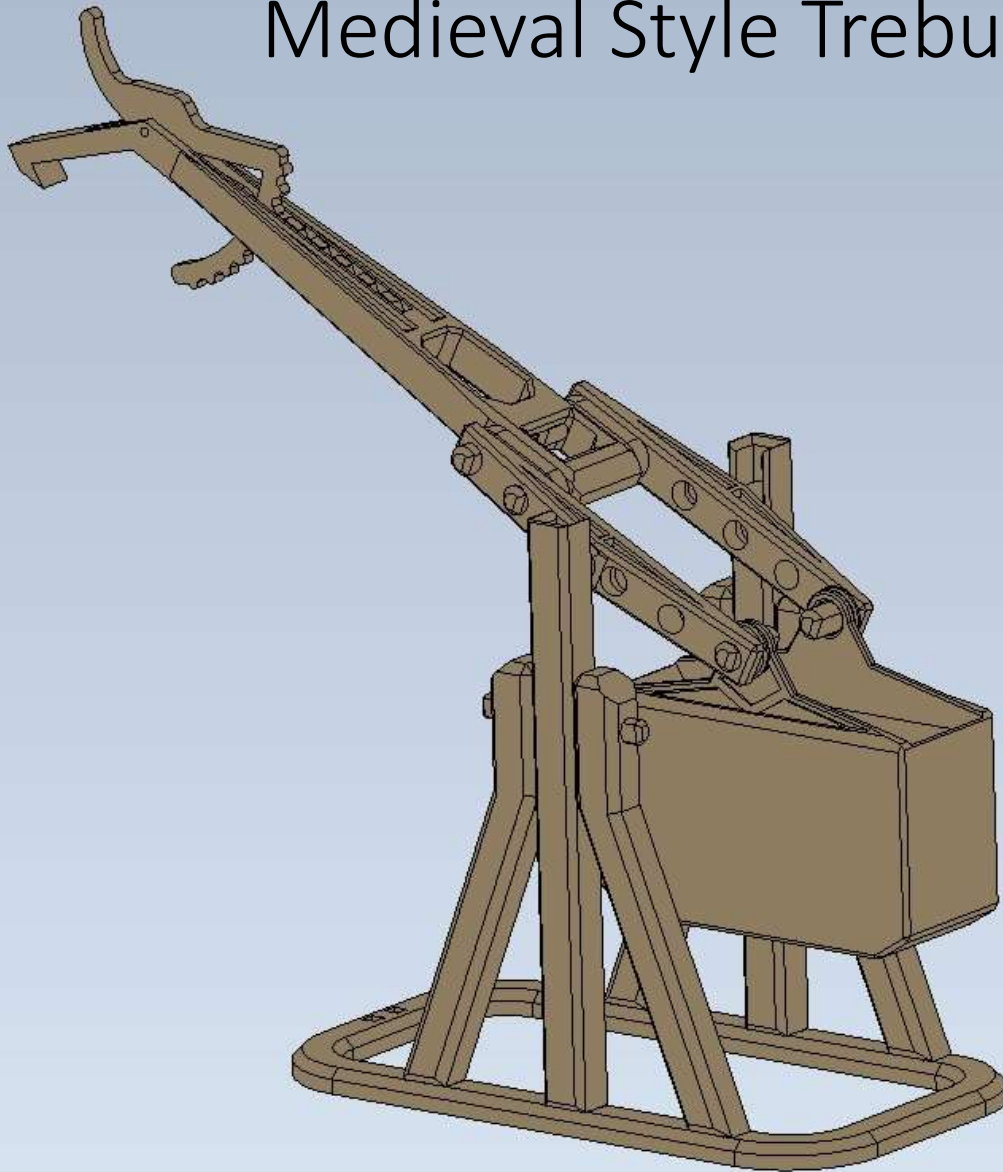
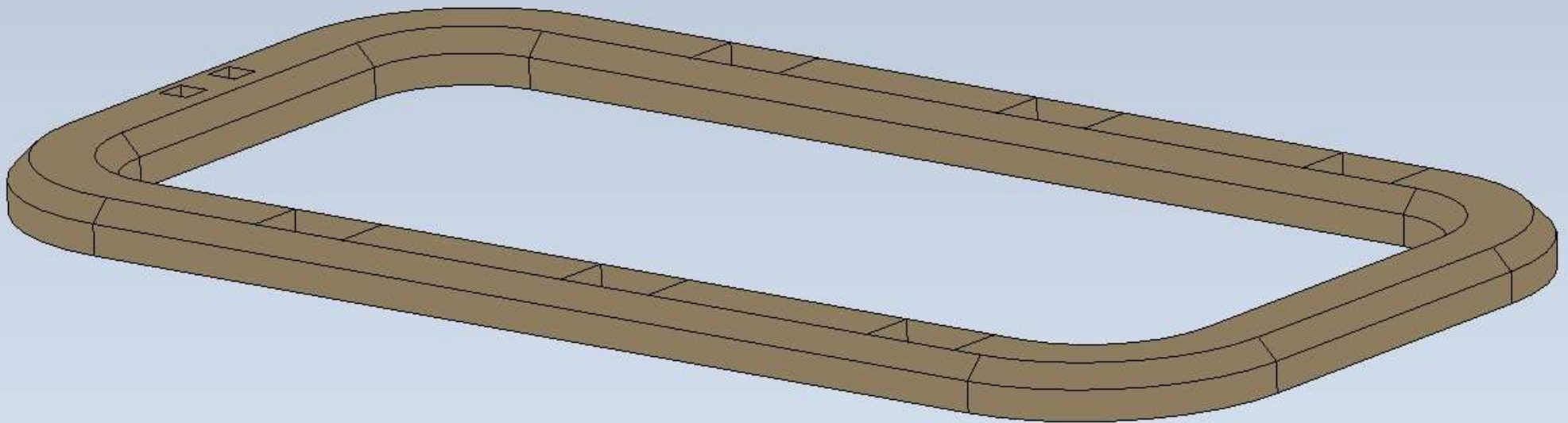


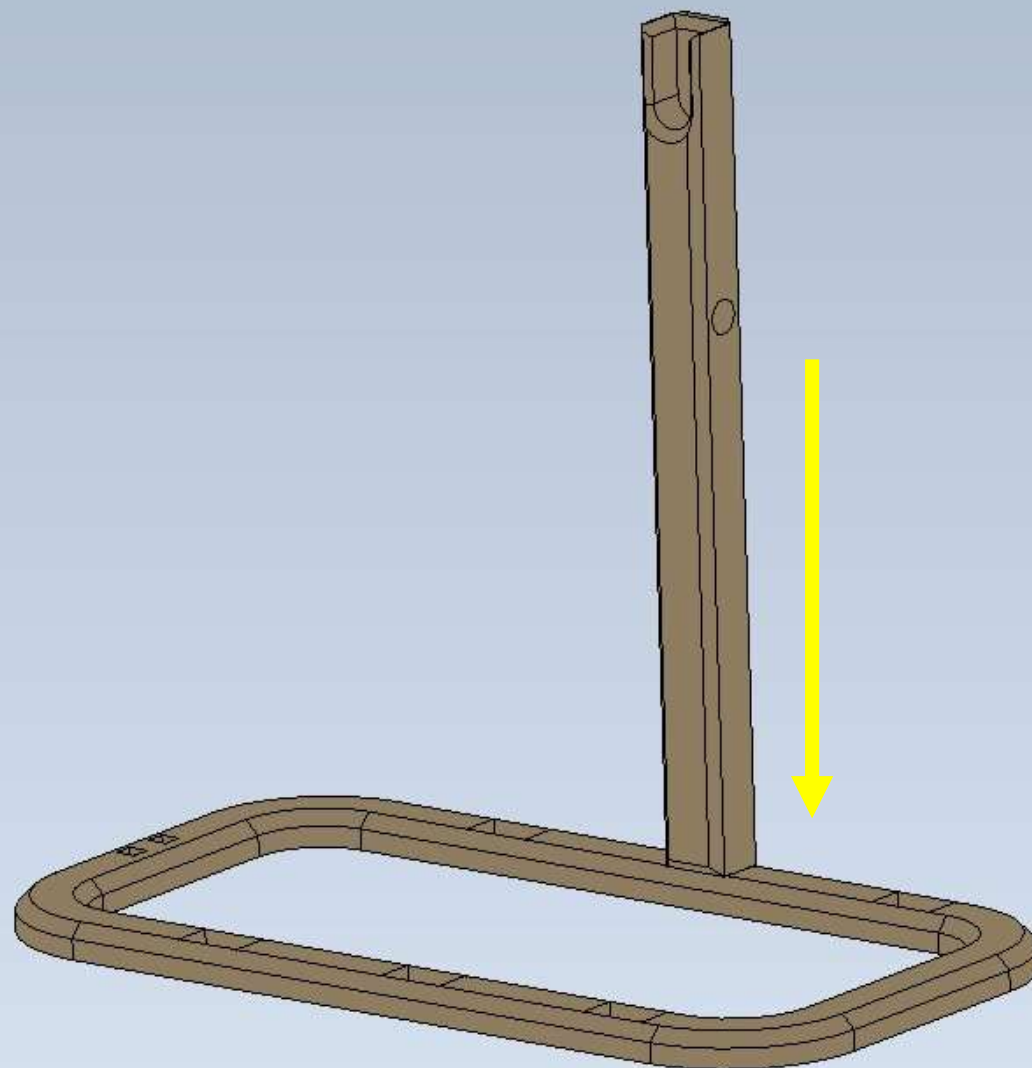
# Medieval Style Trebuchet: Assembly Instructions



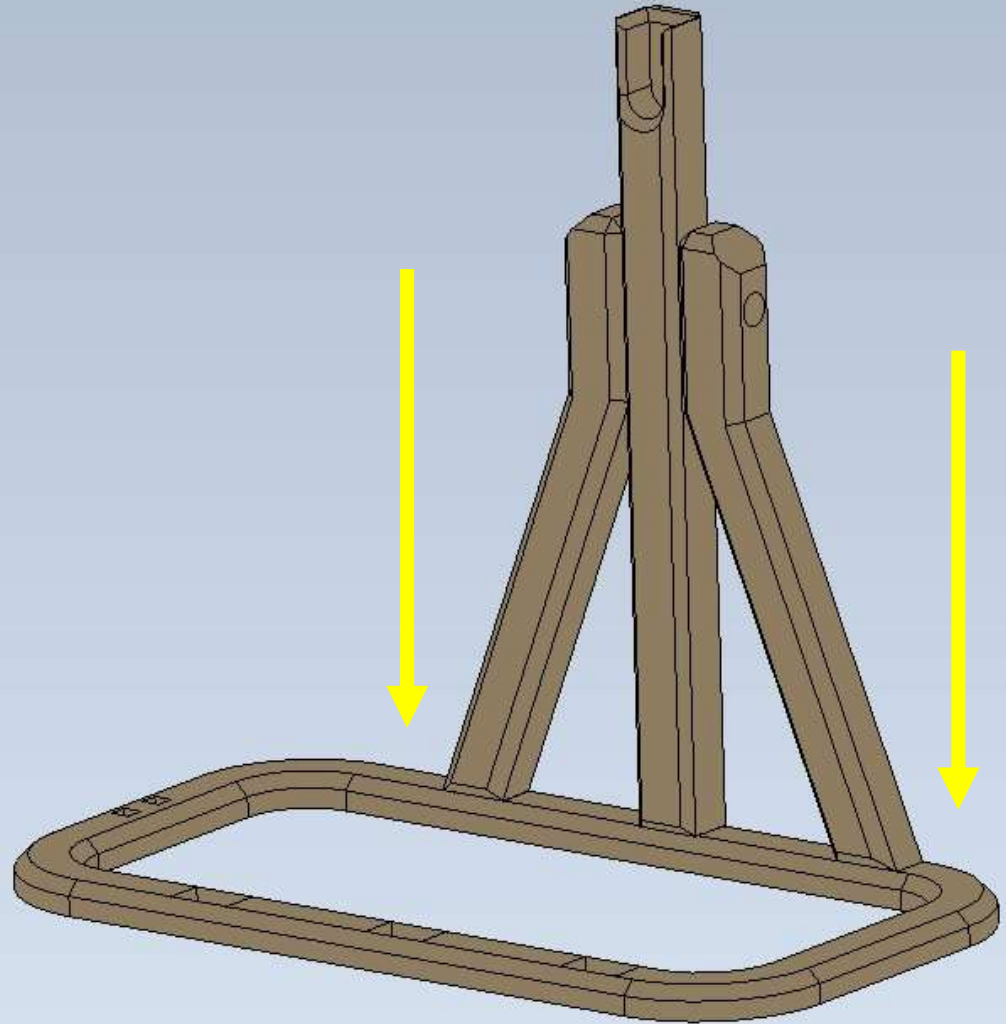
Step 1: Place ground plate



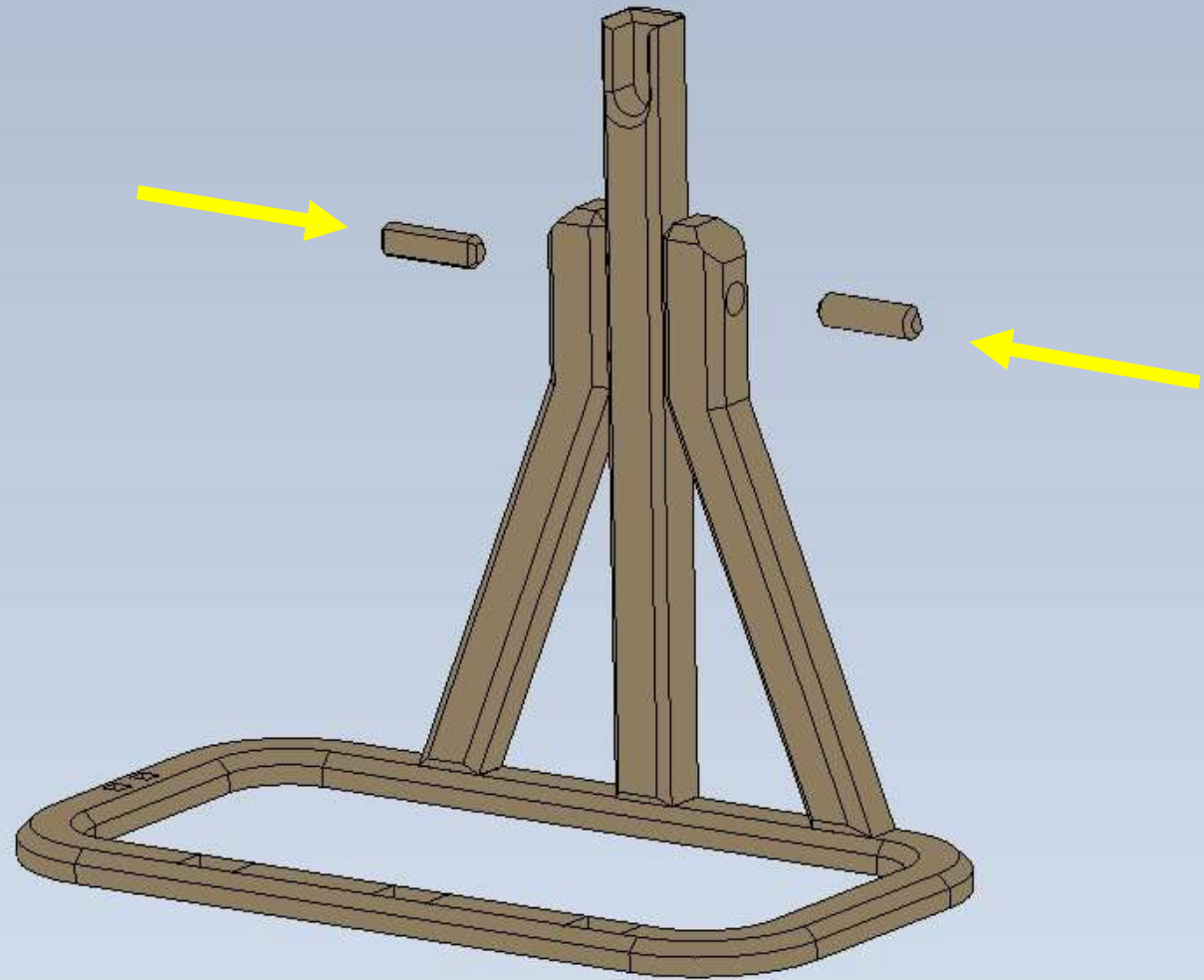
Step 2:  
Insert Vertical  
Upright



Step 3:  
Insert A-frame  
pieces



Step 4:  
Insert 2x  
5\*17mm pegs

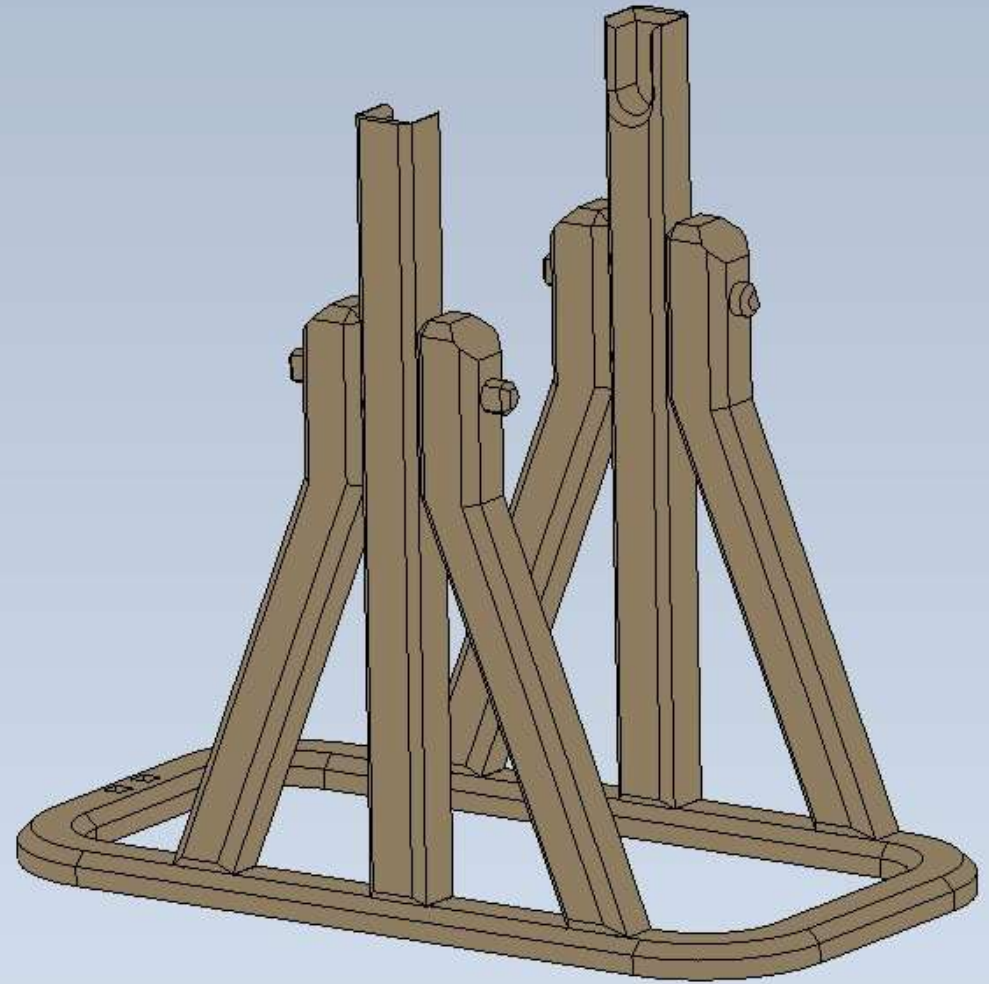




Step 5:  
Repeat process for  
other upright

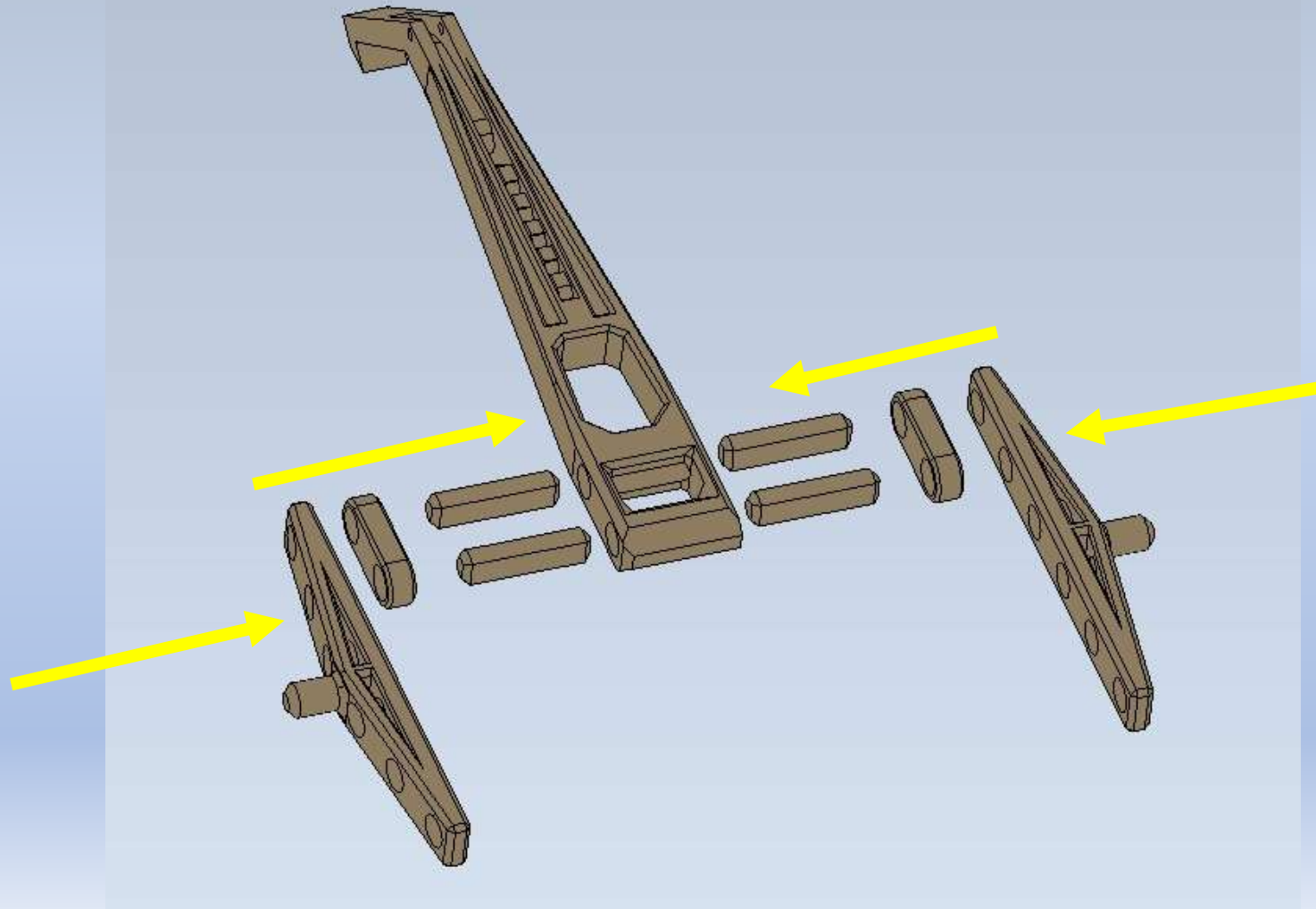
then

Place assembly to side  
to build throwing arm



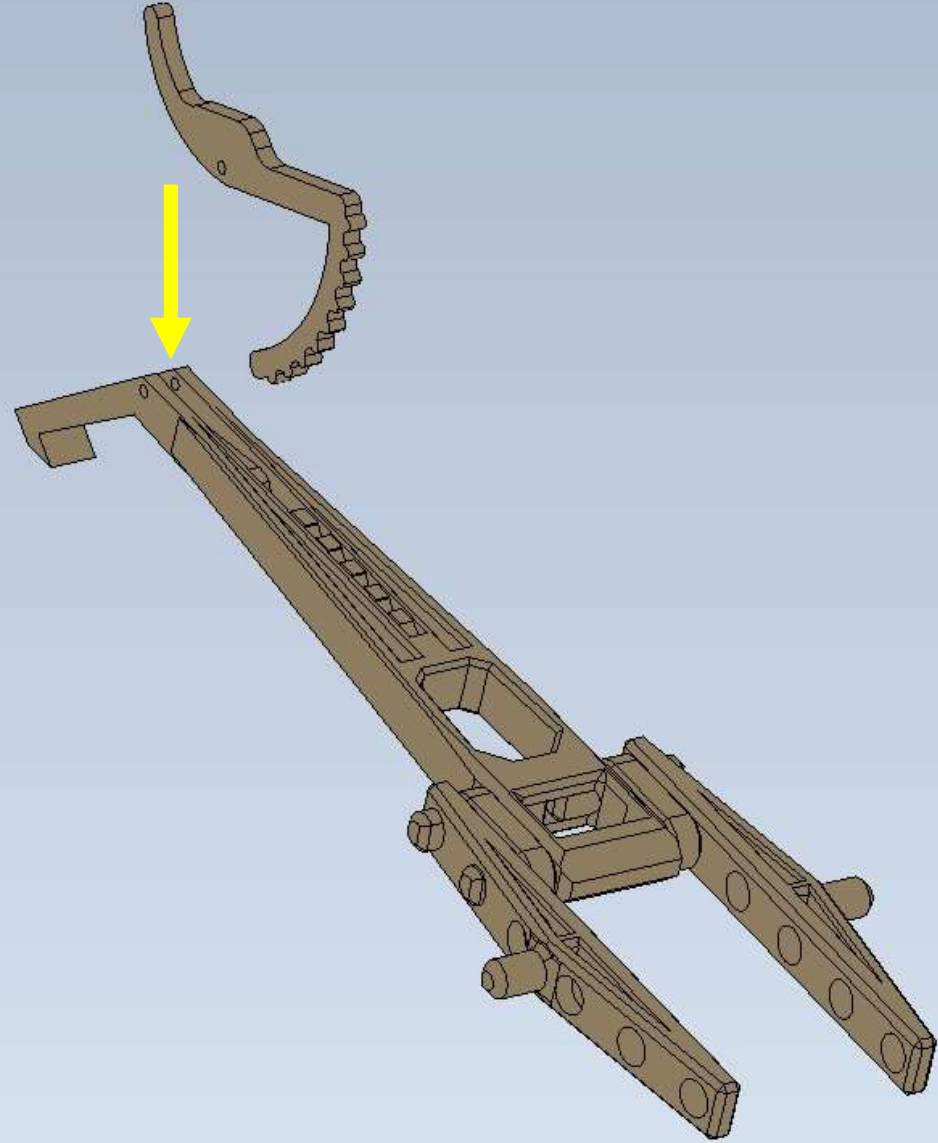
Step 6:  
Assemble throwing arm  
as shown using

4x  
6\*23mm pegs



Step 7:  
Insert ratchet  
mechanism in slot  
shown.

Use 1.75mm filament  
offcut to secure pivot  
point

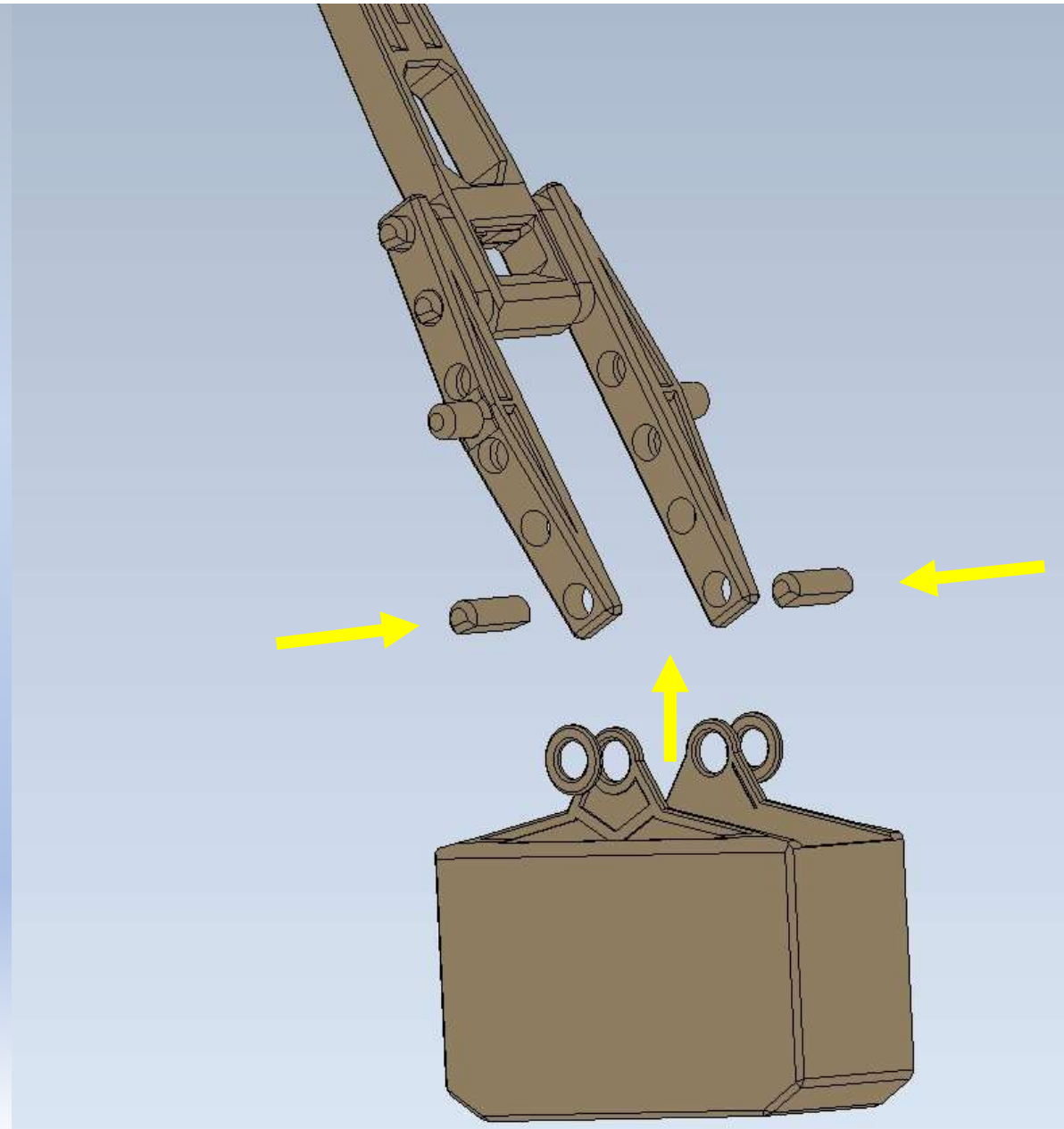




Step 8:  
Secure Counterweight to throw  
arm assembly using 2x

6\*16mm pegs

Washers should be placed  
between counterweight and  
throw arm assembly to allow free  
rotation of counterweight

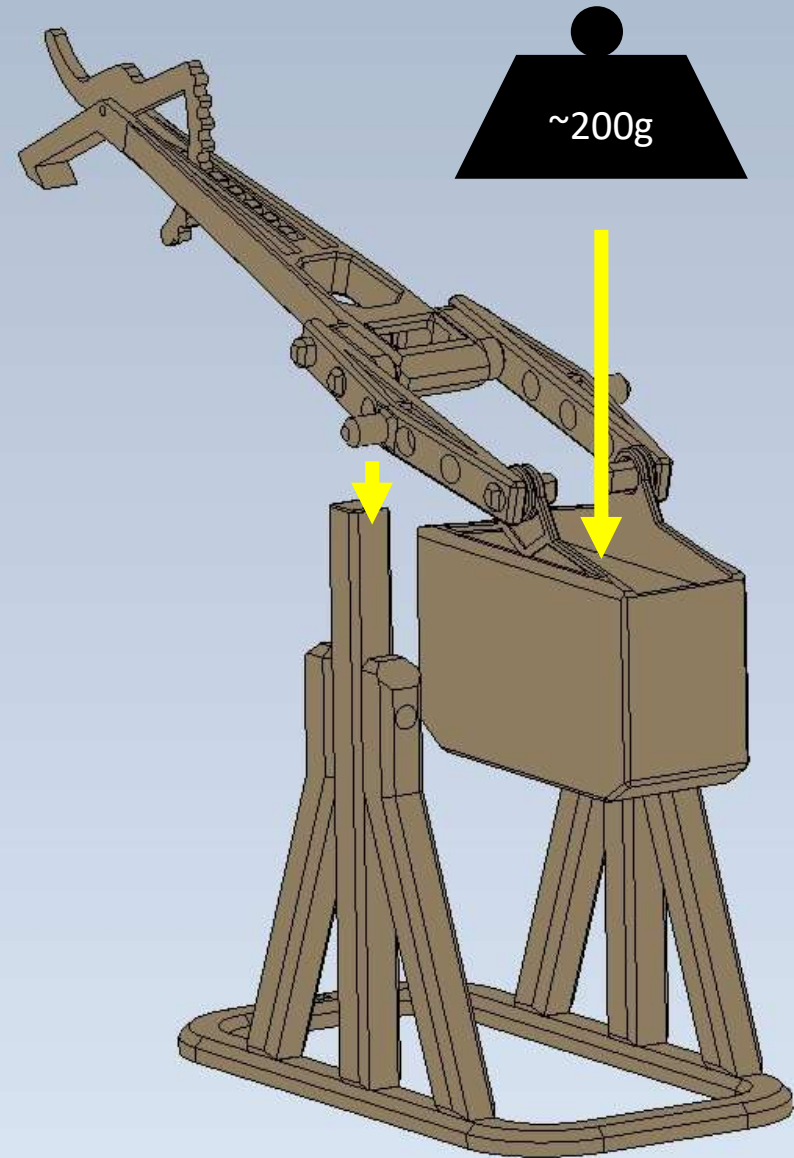


Step 9:

Place throw arm assembly on  
base assembly

Place weights (coins, screws,  
lead shot etc) in empty  
counterweight  $\geq 200\text{g}$

(The more weight added the  
better the trebuchet will work)

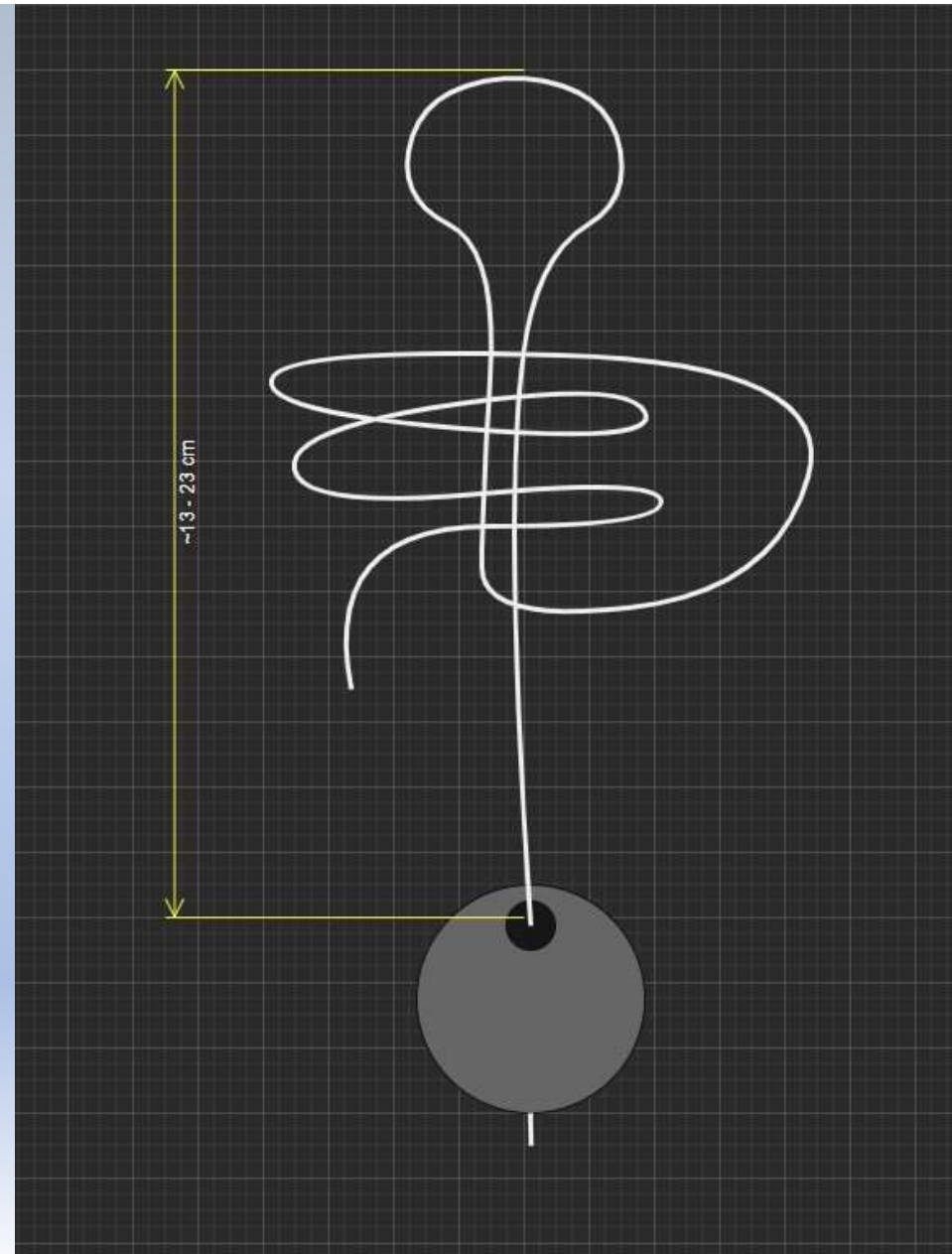


Step 10:

Tie string to boulder using any method.

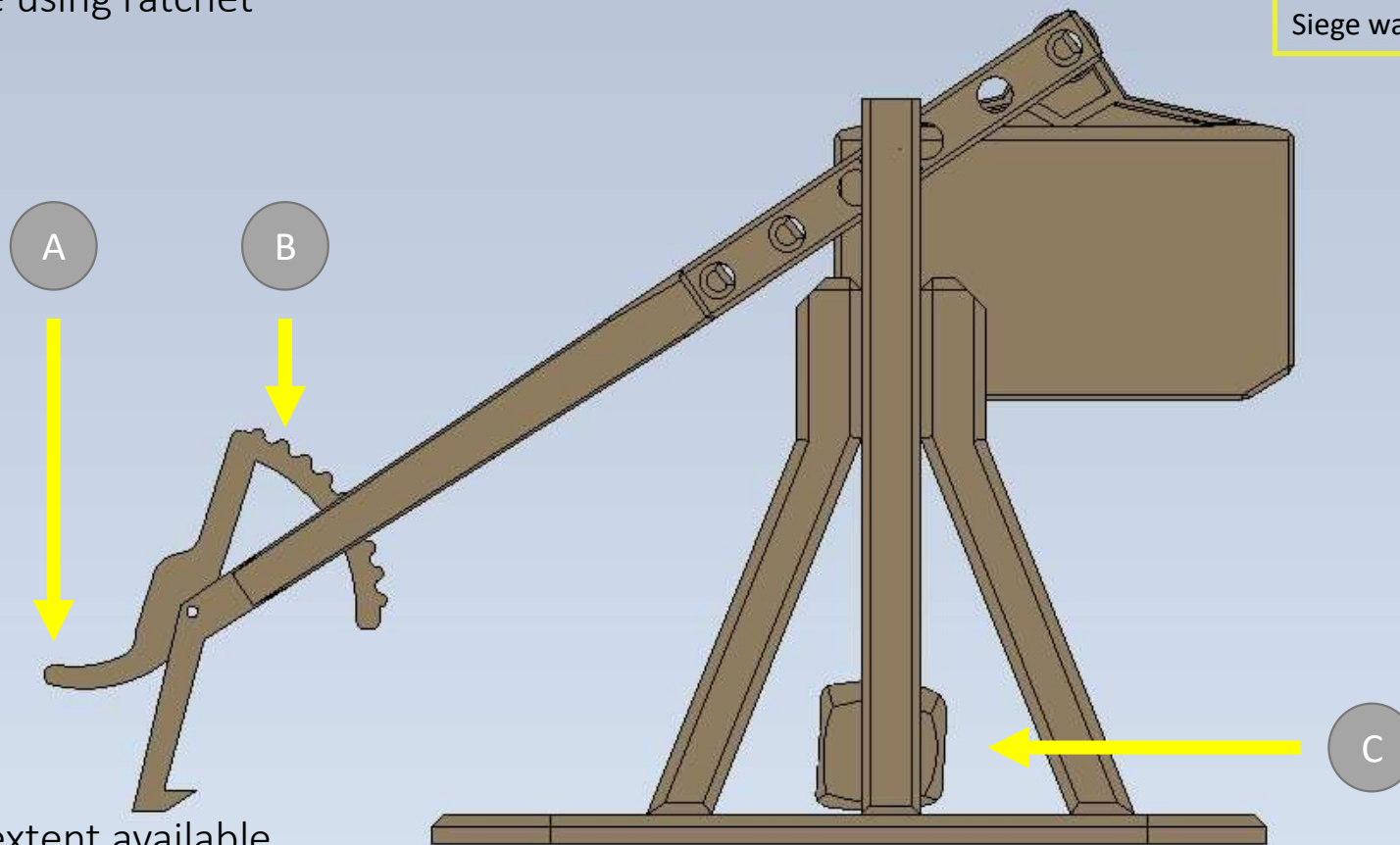
Create loop in free end and tie slip knot as shown, such that the length of the finished string, including loop, is between approximately 13, and 23cm

String length can be adjusted by moving position of slip knot



## Step 11:

1. Place free loop of string over the adjustable angle throwing pin (A)
2. Set release angle using ratchet mechanism B
3. Place boulder in throwing position (as shown C)
4. Aim trebuchet at target
5. Pull back to full extent available, and release to launch boulder



### Warning! Use Trebuchet Responsibly

- Do not launch at pets!
- Not suitable for conducting Siege warfare