

3rd  
Billericay  
Scouts



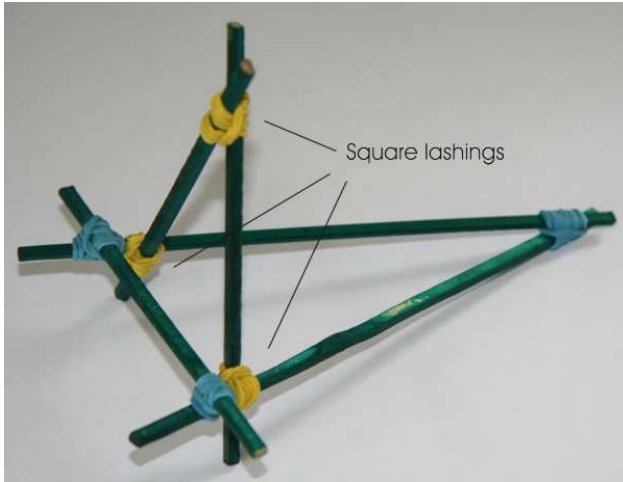
Ballista

### 3<sup>rd</sup> Billericay Scouts - Ballista Instructions

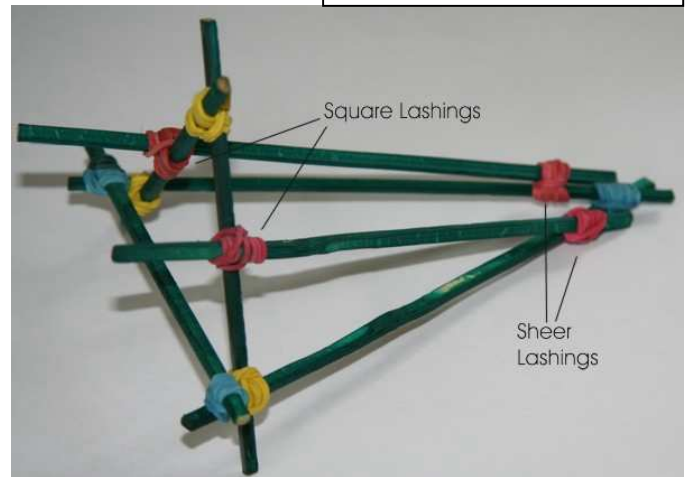
1) Begin with the base. First make a sheer lashing at the end of two long poles. Then, pull the legs apart and lash a medium pole with two square lashings.



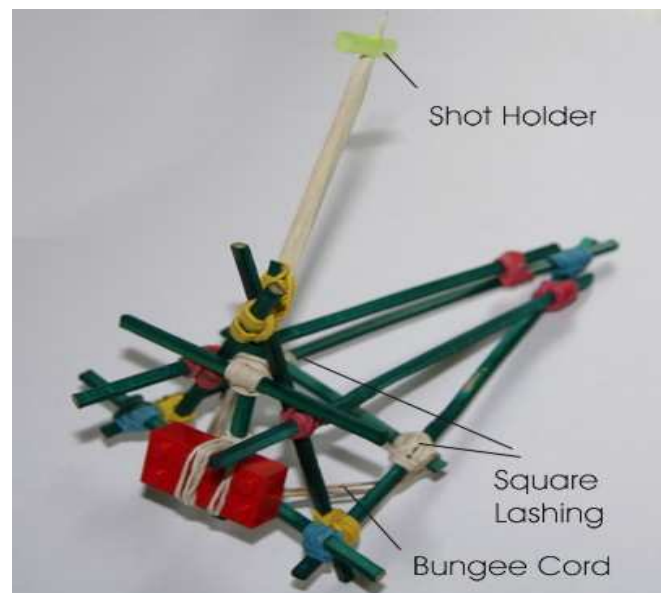
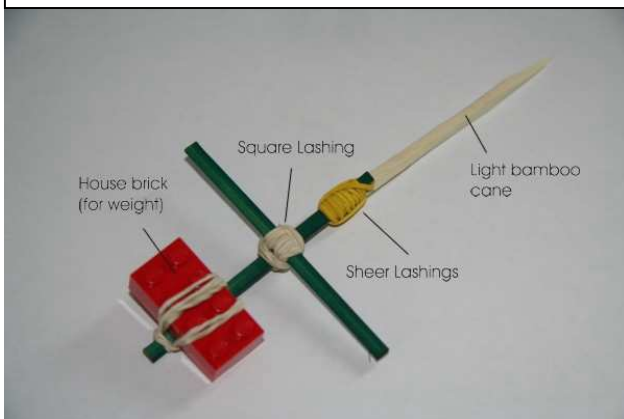
2) Take two more medium poles. Lash them to the base and together at the top to construct the two uprights



3) Take two more long poles, and attach them to the first two poles with sheer lashings, and square-lash them to the uprights.



4) The throwing mechanism is made by first joining two of the shortest poles with a square lashing. Then lash a light bamboo cane to the top part, and the house brick weight to the bottom.



5) Attach the shot holder to the end of the bamboo cane. Push two small canes through the cup, coming together at the base. Then lash these to the cane.

6) Take the final short pole and square lash this to the base. This will provide a solid anchor point for the bungee cords. Insert the firing mechanism, then attach the bungee cords. Make a clove-hitch in the middle of each cord and then slip over the base of the firing arm, and secure to the anchor points.