

## DT: Inspirational designers / careers



• **Trebuchet**- a device used in wars and sieges in the Middle Ages. Used to throw stones (or corpses of animals or people that had died of the plague) at castle walls, trying to break them down. It could also be used to throw things over the walls of a city.

- They were first used in China in the 4th century BC.
- Trebuchets were a type of catapult. The Romans used catapults during warfare.

## DT: Prototype / Design



• There are 5 key features of a trebuchet:

- 1.The frame - holds all the parts together
- 2.The counterweight - this rotates the beam
- 3.The beam - this pulls the sling
- 4.The sling - this holds the projectile
- 5.The guide chute - this guides the sling through

## DT:



**Inspirational designers / careers**

• Careers related to

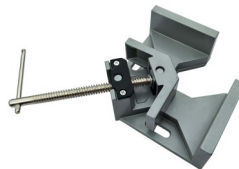
CAD: computer programmer, CAD drafter, product designer, CAD technician, game tester, interior designer, architectural technologist, 3D artist

## DT: Processes and materials



- Hacksaw - for cutting wood
- Tennon saw—for cutting metal

- Pillar drill—for drilling accurate holes
- Angle clamps—to make accurate right angles when joining 2 pieces of wood



## Westacre Wonderful Words

- **Axle**: a rod passing through the centre of a wheel
- \* **Catapult**: a machine designed to launch projectiles without the aid of gunpowder
- **Counterweight**: a weight that balances another
- **Perspective drawing**: technique in drawing to show depth (link to 3D)
- **Projectile**: an object that has been propelled forward by a specific action
- **Range**: the distance or difference between 2 things
- **Sling**: a flexible strap to hang a weight
- **Stability**: how stable or sturdy something is
- \* **Trebuchet**: a type of catapult that uses a counterweight
- **Trigger mechanism**: a mechanism that causes the function of a weapon

