

Real-Life Applications of Projectiles

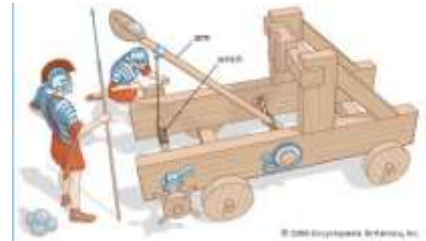
- One of the first mathematicians to start looking at projectiles was Galileo.
- He was the first person to realise that projectiles could be studied by looking at their horizontal and vertical components separately.
- Some of their applications are outlined below.



1) Projectiles arise in nearly every sport you can think of. The path of a basketball into the net from a 3-point shot, the flight of a golf ball from the tee and the flight of a sliothar over the bar, are all examples of projectiles.



2) In the military, a very good understanding of projectiles is required in the design of accurate missile guidance systems. In older times, the design of accurate catapults also required a very good understanding of projectile motion.



3) Projectile motion arises often during stunt scenes in action movies. Stunts have to be very carefully choreographed and planned to avoid any possible injury to the stunt men or women. [Click here](#) to see how they carried out one such stunt from the movie *Speed* in 1994.

