Frame of Reference

Relative to motion of objects

K – frame of reference
Coordinates written as:  (x,y,z)

(x, y, z) = (4m, 3m, 1m)  K

(x’,y’,z’) = (2m, 3m, 1m)  K’

EX.
Object is at origin of K’

(x,y,z) = (Xm, 0m, 0m)  K

(x’,y’,z’) = (0m, 0m, 0m)  K’

X for K changes because K’ is moving

Object goes up and back down

For K’ – object goes straight up and down

*object is moving in x direction*

For K – object has a parabolic form (path)