

A PROJECTILE IS ANY OBJECT THROWN INTO SPACE  
UPON WHICH THE ONLY ACTING FORCE IS GRAVITY

## INITIAL FORCE

APPLIED CREATES AN  
**UPWARD** AND  
**HORIZONTAL**  
MOVEMENT.

MAX HEIGHT  
 $V_y = 0$

**GRAVITATIONAL FORCE**  
CREATES A **DOWNWARD**  
FORCE CREATING A  
**PARABOLIC MOVEMENT.**

$V_{iy}$   
 $V_{ix}$

$X=0$

RANGE  
 $\Delta x$



# PROJECTILE MOTION