

AP Exam → Review and Preparation

Kinematics

- Horizontal projectile motion
 - At the peak, it is in rest in the y axis but *not* the x axis
- Free-fall motion
 - When two identical objects are dropped at different times, the first object is going *faster* so the separation between the objects *increases*
 - Speed increases, but not the difference in speed → same acceleration
- Position, velocity, acceleration
 - If velocity is *negative*, it is *slowing down* not changing direction