

Cornell Notes <h1 style="margin: 0;">40</h1>	Topic/Objective: 2D Motion – Horizontal Projectiles	Name:
		Class/Period:
		Date:

Essential Question: How can we relate 1D Motion kinematics to 2D Motion?

How has the understanding of projectile motion affected humans?

Questions:	Notes: A projectile is an object flying through the air without a
	_____.
	Give examples of projectiles.
	How has the study of projectiles been important?
	All projectiles take a _____ path.
	Why do you think it is called this?
	Projectile motion is made up of two parts (or components).
	A _____ component and a _____ component.

Questions:	The path a projectile takes is called its _____.
	The horizontal distance a projectile travels is called its _____.
	<u>Horizontally Launched Projectiles</u>
	The x and y components act independently of each other.
	A bullet is fired horizontally and another is dropped at the same time from
	the same height. Which bullet hits the ground first?
	Horizontal (x) _____ Vertical (y)
Summary:	

Questions:	A football is thrown horizontally with a speed of 20 m/s. It hits the ground
	0.3 seconds later. What is the range of the ball?
	From what height was the ball thrown?
Summary:	

Questions:	A projectile is launched horizontally from a height of 3.0 m. The range of the
	projectile is 6.0 m. How long did it take to land?
	What was the initial speed of the projectile?
Summary:	