

Challenge •Catapult ball 14 ft into bucket. •Write team name on ball. •Catapult ball 14 ft back to bucket.	Current Condition 1	Next Target Condition
	Launch angle 45° 2	
	Pull-back angle 20° 3	
	Ball type <i>ping pong</i> 4	
	5	

Experiment		What do you predict?	<i>Conduct the Experiment</i>	What happened	What we learned	
①	Launch angle			1		
	Pull-back angle			2		
	Ball type			3		
②	Launch angle			4		
	Pull-back angle			5		
	Ball type		1			
③	Launch angle		2			
	Pull-back angle		3			
	Ball type		4			
④	Launch angle		5			
	Pull-back angle		1			
	Ball type		2			
⑤	Launch angle		3			
	Pull-back angle		4			
	Ball type		5			