Raw Data Sheet

Student Name	e: Th Dr	ATA S	HEET			
Team member	rs:		2	-	8.80	
3			4		30.5	
Instructor:	SPENCER	IRELA	VD			
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Muzzle Velocity

Follow the instructions in the Muzzle Velocity section of the lab manual, starting on page 18. Record your measurements in the following table, where d is the distance between main and accessory gate.

Medium Range	time (s)	d (m)	speed (ms ⁻¹)
1	0.0194	0.1	5.155
2	0.0194	0.1	5.155
3			
Average speed =			
Long Range			THE RESIDENCE OF THE PARTY OF T
1	0.0145	0.1	6.897 6.897
2	0.0145	0.1	6.897
3			
Average speed =			

Launch Experiments

Follow the instructions in the manual, record your measurements, and sketch your setup. Note that your instructor will give you the angles for these experiments.

$x-x_0$ (cm)	ΔY=Y5-%		_	
<i>y_f</i> (cm)	190 -	159	111	
y_0 (cm)	25.5	7	Tab.	31-18
range θ (deg)	M	W.C.		

range	L
θ (deg)	15°
y ₀ (cm)	25.5
y_f (cm)	0
$x-x_0$ (cm)	3.08

SAME AS EXP. 1 (First Launch)

LIBERT SHEET

Angle of Maximum Range

Follow the instructions in your manual starting on page 19.

Medium Range; $y_0 = y_f$	
θ (degrees)	$x-x_0$ (cm)
40	2.253
45	2.28
50	2.23

