



Class Data Sheet

Experiment	Shag Carpet (s)	Outdoor Carpet (s)
Lab	$1\frac{5}{10}$	$1\frac{0}{10}$
1		
2		
3		
4		

Smallest \longrightarrow Largest

Shag Carpet (s)

Outdoor Carpet (s)

Minimum				Maximum

What variables affect ball motion?

Group 1

Changing Variable:				
Time for ball to hit board (s):				

Summary: _____

Group 2

Changing Variable:				
Time for ball to hit board (s):				

Summary: _____

Group 3

Changing Variable:				
Time for ball to hit board (s):				

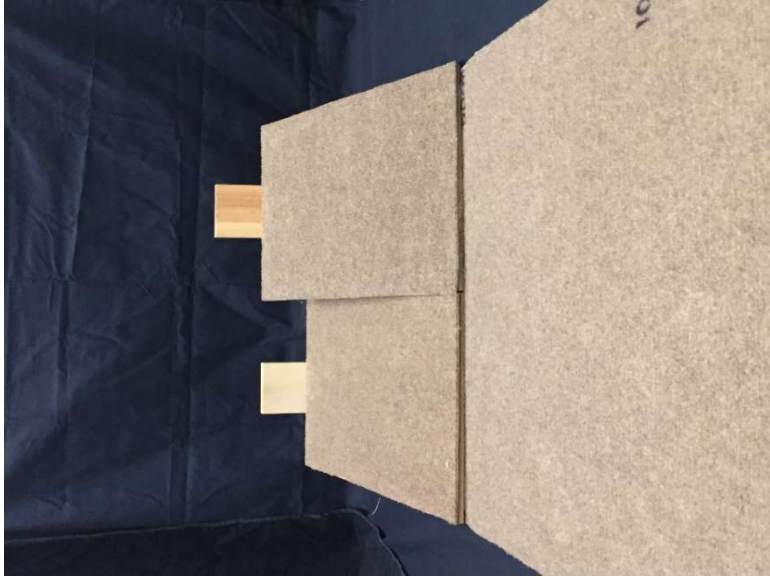
Summary: _____

Group 4

Changing Variable:				
Time for ball to hit board (s):				

Summary: _____

Tie to Standards Experimental Set-Up



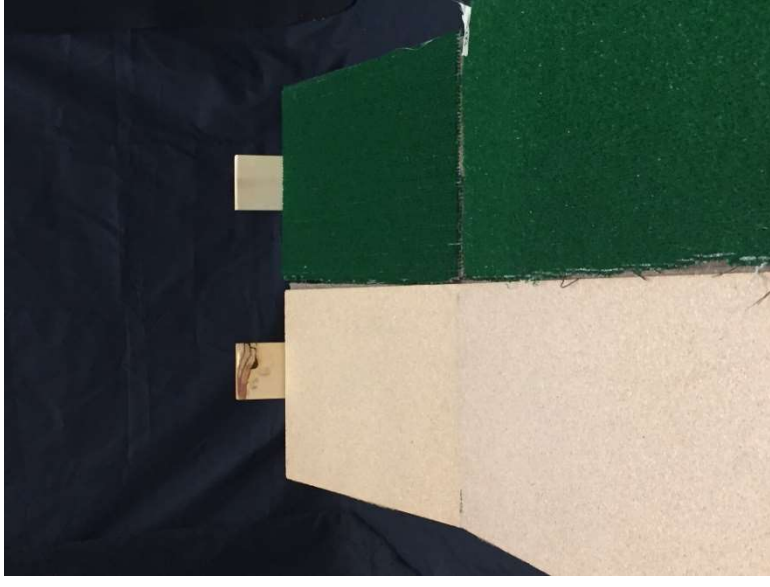
Set-Up 1

Used for effect of ramp height
Ramp Heights: 13 cm and
22 cm
Ball: Light blue ball



Set-Up 2

Used for effect of ball mass
Ramp Height: 13 cm
Balls: Light blue ball (~265 g)
and purple ball (~360 g)



Set-Up 3

Used for effect of run material
Ramp Height: 13 cm
Ball: Light blue ball