CATAPULTS, ANGLE MEASUREMENT, AND DISTANCE

Name:

Date:

OBJECTIVES:

- 1. Compare the angle of the arm to the distance the payload goes.
- 2.Can you determine an angle that will get the payload to go the greatest distance?

VOCABULARY: Angle formed when two lines meet Acute angle > 90° Payload Arm Frame Obtuse angle > 90° Catapult an ancient military device for hurling objects 100 110 Right angle = 90° Protractor measures angles in degrees

MATERIALS:	STEPS:
– popsicle sticks	1.With a partner, build the
- tape/glue	catapult.
– ruler	2. Take turns measuring the
– protractor	angle of the arm, firing the
– plastic spoons	catapult, and measuring
– rubber bands	the distance of the
– payloads (marbles)	projectile.
	3.Record your data on your
	worksheet.
	4.Compare results with the
	class.

	Angle Measured	Distance Measured	Notes
Test 1:			
Test 2:			
Test 3:			
Test 4:			
Test 5			
Test 6:			
Test 7:			
Test 8:			

DATA TABLE: