

Materials Needed for Each Group

Materials in Group Baskets	
For Structure	25 wooden blocks 3 green blocks (pigs) 3 yellow blocks (pigs) 3 purple blocks (pigs)
For Catapult	5 blue blocks (birds) 2 foam bowls 2 plastic cups 12 craft sticks 15 rubber bands 2 plastic spoons 15 inches of wide masking tape 1 sheet of printer paper
For Design Sketch	2 sheets of construction paper Pencils
Tools for Construction	Meter stick / centimeter ruler 1 pair of scissors Goggles for each student

Design Constraints

- Catapult
 - Use only items in basket
 - When shooting catapult you may not touch the bird
 - Catapult must fit in and shoot from taped area
- Structure
 - Use only 25 blocks
 - Structure must stand on its own and fit within taped area
 - At least three pigs must be above 6 centimeters
 - At least one pig must be above 9 centimeters

Point System:

Knocking Pigs onto the table

Green—0.007

Yellow—1.6

Purple—2.09

Unused Birds = 10 points each

Extra Points:

Scientific Description: 5 possible

Collaboration: 5 possible

Sportsmanship: 5 possible