

Science 7 – Structures and Forces

Outcome	Activity title / description	Notes	Non- Consumable materials	Consumable materials	School provided materials
1	Golf Ball Bridges	SF 7 p. 276	Golf ball	Plastic straws, paper clips, masking tape	scissors
2	Tissue Testing	SF p. 287, p. 289	Magnifying glass, large empty container (beaker)		Facial tissue / various paper products
2	Phone Book Friction - Mythbusting		100 feet of $\frac{3}{4}$ - 1 $\frac{1}{2}$ " rope	2 telephone books	
2	Internal Forces		Hot plate, 400 mL beakers	Iodine, stir sticks	
2	Balanced Balcony	SF p. 334		15 plastic straws 5 recipe cards 30 cm masking tape pins paper clips 250 mL Styrofoam cup sand modeling clay thread	Scissors 30 cm ruler
2,3	Examining forces	SF p. 310	Metal bar, retort stand, weights, towel, bucket with handle, graduated cylinder	Marshmallows, toothpicks, paper, 10x15 cm pieces of blue polystyrene, different types of string or thread.	Scissors, felt pens/ markers
4	Paper Olympics	SF p. 325	Assorted masses, force meter	Index cards, glue, string	scissors