

E & M Module 1 – Equipment List and Setup

What	Qty	Activities
Roll of Scotch tape	1	1
Scissors	1	1
Plastic or rubber rod, fur, glass rod, polyester or silk, 5cm saran wrap	1 each	1 - 3
Small stands, such as Sargent-Welch CP78700-01 or WL2046B	3	2 (qty three) 3 (qty two)
Large Table Clamp, Pasco ME-9472	2	2
Rods to mount in the Table Clamp	2	2
Right-angle clamp for above rods	2	2
Small balloons (~ 15 cm diameter when blown up)	2	2
1 meter lengths of string	2	2
Metal plate (any) for discharging balls and balloons	1	2, 3
Pith ball on silk string, Sargent-Welch WL1945	1	2
Aluminum coated pith balls on silk strings, Sargent-Welch WL1947	2	2, 3

Note: for each session each Team will require two more balloons; I'm letting the students keep them after their session.

Setup Notes

Hang a pith ball and the two Aluminum coated pith balls from the small stands with the attached silk threads.

The Large Table Clamps, rods and right-angle clamp should be set up on the edge of the tabletop so that the students can blow up the balloon, tie them off with the supplied strings, and hang them from the end of the horizontal rod. We wish the end of the horizontal rod to be as far as possible from the vertical rod to which it is attached and also positioned so that the balloon will be hanging above the tabletop and not near its edge.

Revised April 2015 – Sean al-Baroudi