

Electricity and Magnetism Module 5 – Equipment List

The following items are required for Activity 3 - Measuring Capacitance.
No prior setup is required for this activity.

Equipment needed for each group of students:

Item	Quantity	Activity
Capacitors (assorted collection)	4	3
Pieces of thin aluminum sheet or aluminum foil, 15 cm × 15 cm	2	3
Textbook	1	3
Capacitance meter with alligator clips (BK Precision 810C)	1	3
Multimeter (Amprobe 33XR-A)	1	3, 6
Red Banana Cords	1 or 3	3 (1 cord) 6 (3 cords)
Black Banana Cords	1 or 3	3 (1 cord) 6 (3 cords)
Alligator clip terminal fittings	2	3
Ruler	1	3
Digital caliper (black case)	1	3

The following items are required for Activity 6 - Capacitors, Batteries, and Light bulbs, stopwatch.

No prior setup is required for this activity.

Equipment needed for each group of students:

Item	Quantity	Activity
6 V battery	1	6
6V 1W light bulb	1	6
6V 3W light bulb	1	6
0.47 F capacitor	1	6
1 F capacitor	1	6
Multimeter (Amprobe 33XR-A)	1	6
Alligator clip wires	6	6
Three way switch	1	6
Stopwatch	1	6