

Chapter 4 Materials and Equipment

The following tables contain lists of materials and equipment needed to do all the experiments. The tables are organized as follows:

- Durables
- Consumables
- Additional Items Needed Not Supplied

Durables are items which are not consumed during an experiment. They can be used several times.

Consumables are items that are used up during each class and must be resupplied for future classes. Both the durables and consumables are broken down by group and by class. A group consists of four students. While the group size will be determined by the teacher based upon logistics and availability of equipment, the information is based upon recommended group size of four students. Items listed per class are based on a class size of 40 students.

Additional Items Needed Not Supplied consists of items that are needed to complete the sections, but are not supplied by *It's About Time*®.

The first column gives the section number(s) in which each item will be used. The second column provides information needed for ordering the particular item. The third column gives the item description. The fourth and fifth columns will indicate quantity, based on either group or class needs. The last column provides a space for you to fill in your total item quantity. You will notice certain rows are shaded and have an asterisk in the last column. This is to indicate a duplicate item listing, based on the needs of different sections. You will not need to figure the items in the shaded rows into your total items needed, as they have already been accounted for in the corresponding non-shaded row.

The *Materials and Equipment* lists are broken down into either Plan A or Plan B corresponding to the *Pacing Guide*.

PLAN A					
Section	Item No.	Durables	Group (4 Students)	Class	Total Items Needed
1, 2, 3	BE-0001	Beespi	1 per group		
1, 2	SS-4365	Ball, steel sphere, 3/4 in.	1 per group		
1, 2	TR-0001	Track (plastic piece for roller coaster)	1 per group		
1, 2	TR-0002	Track, wood, base pack (to include hardware)	1 per group		
1, 2, 5, 8	HO-0002	Holder, right-angle, cast iron	1 per group		
1, 2, 5, 8	ST-0002	Rod, aluminum, 3/8 in. x 12 in. (to act as crossarm)	1 per group		
1, 2, 5, 8	SH-7212	Ring stand, large	1 per group		
1, 2, 3, 5, 8	SM-1676	Meter stick	1 per group		
1	SS-7779	Stopwatch	1 per group		
1, 2	CS-3246	C-clamp, 3 in.	1 per group		
1, 2, 5	RS-2826	Ruler, metric, in./cm	1 per group		

* Please note duplicate item.

PLAN A					
Section	Item No.	Durables	Group (4 Students)	Class	Total Items Needed
2, 6	HM-4040	Mass, hanging, 100 g	1 per group		
3	PT-0001	Toy, pop-up	2 per group		
3, 7	GS-5100	Safety glasses, impact	4 per group		
5	SS-0002	Springs, set, Hooke's law	1 per group		
5	MH-2621	Hanger, mass	1 per group		
5, 8	WH-9012	Weight, slotted, 12-piece set, 1 g – 500 g	1 per group		
6, 8	SS-2303	Spring scale, 0–10 N	1 per group		
6	WH-0500	Weight, 500 g (w/ hook)	1 per group		
7	RU-0006	Stopper, rubber, #6 (w/ hole)	1 per group		
7	CA-0100	Toy, car, battery operated	1 per group		
8	SR-6737	Ramp, inclined plane (for lab cart)	1 per group		
8	DA-1216	Cart, carriage (Hall's)	1 per group		
6	SS-0491	Scale, bathroom		1 per class	
2, 7	SS-1281	Scissors		1 per class	
3, 5	EL-4181	Scale, electronic, 0.1-g readability, 0–1500 g		1 per class	
Section	Item No.	Consumables	Group (4 Students)	Class	Total Items Needed
1, 2, 3	BA-0004	Battery, alkaline, AAA	2 per group		
2, 4, 5, 8	GS-7706	Paper, graph, pkg. of 50		1 per class	
2, 7	SS-7722	String, ball		1 per class	
3, 5, 8	TS-2662	Tape, masking		6 per class	
5	CS-5011	Card, index, unlined, 3 in. x 5 in., pkg. of 100		1 per class	
Mini-Challenge	EP-1100	Pad, easel		1 per class	
Mini-Challenge	CM-0008	Markers		6 per class	
9	NS-1210	Notes, sticky, pad, 3 in. x 3 in.		5 per class	
Section	Item No.	Additional Items Needed Not Supplied	Group (4 Students)	Class	Total Items Needed
1		Blindfold		1 per class	
1		Chair (w/ wheels)		1 per class	
1		Access to a flat tabletop	1 per group		
3		Nickels	4 per group		
4, 5		Paper, sheet	1 per group		
6		Access to an elevator		1 per class	
4, 9		Pennies		100 per class	
9		Candy, piece (in wrapper paper)	2 per group		

* Please note duplicate item.

PLAN B					
Section	Item No.	Durables	Group (4 Students)	Class	Total Items Needed
1, 2	BE-0001	Beespi		1 per class	*
3	BE-0001	Beespi	1 per group		
1, 2	SS-4365	Ball, steel sphere, 3/4 in.		1 per class	
1, 2	TR-0001	Track (plastic piece for roller coaster)		1 per class	
1, 2	TR-0002	Track, wood, base pack (to include hardware)		1 per class	
1, 2, 5, 8	HO-0002	Holder, right-angle, cast iron		1 per class	
1, 2, 5, 8	ST-0002	Rod, aluminum, 3/8 in. x 12 in. (to act as crossarm)		1 per class	
1, 2, 5, 8	SH-7212	Ring stand, large		1 per class	
1, 2, 3, 5, 8	SM-1676	Meter stick		1 per class	
1	SS-7779	Stopwatch	1 per group		
1, 2	CS-3246	C-clamp, 3 in.		1 per class	
1, 2, 5	RS-2826	Ruler, metric, in./cm		1 per class	
2	HM-4040	Mass, hanging, 100 g		1 per class	*
6	HM-4040	Mass, hanging, 100 g	1 per group		
3	PT-0001	Toy, pop-up	2 per group		
3, 7	GS-5100	Safety glasses, impact	4 per group		
5	SS-0002	Springs, set, Hooke's law		1 per class	
5	MH-2621	Hanger, mass		1 per class	
5, 8	WH-9012	Weight, slotted, 12-piece set, 1 g – 500 g		1 per class	
6	SS-2303	Spring scale, 0–10 N	1 per group		
8	SS-2303	Spring scale, 0–10 N		1 per class	*
6	WH-0500	Weight, 500 g (w/ hook)	1 per group		
7	RU-0006	Stopper, rubber, #6 (w/ hole)	1 per group		
7	CA-0100	Toy, car, battery operated	1 per group		
8	SR-6737	Ramp, inclined plane (for lab cart)		1 per class	
8	DA-1216	Cart, carriage (Hall's)		1 per class	
6	SS-0491	Scale, bathroom		1 per class	
2, 7	SS-1281	Scissors		1 per class	
3, 5	EL-4181	Scale, electronic, 0.1-g readability, 0–1500 g		1 per class	
Section	Item No.	Consumables	Group (4 Students)	Class	Total Items Needed
1, 2	BA-0004	Battery, alkaline, AAA		2 per class	
3	BA-0004	Battery, alkaline, AAA	2 per group		
2, 4, 5, 8	GS-7706	Paper, graph, pkg. of 50		1 per class	
2, 7	SS-7722	Sting, ball		1 per class	
3, 5, 8	TS-2662	Tape, masking		6 per class	

* Please note duplicate item.

PLAN B					
Section	Item No.	Consumables	Group (4 Students)	Class	Total Items Needed
5	CS-5011	Card, index, 3 in. x 5 in., pkg. of 100		1 per class	
<i>Mini-Challenge</i>	EP-1100	Pad, easel		1 per class	
<i>Mini-Challenge</i>	CM-0008	Markers		6 per class	
9	NS-1210	Notes, sticky, pad, 3 in. x 3 in.		5 per class	
Section	Item No.	Additional Items Needed Not Supplied	Group (4 Students)	Class	Total Items Needed
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4, 5		Paper, sheet		1 per class	
6		Access to an elevator		1 per class	
4, 9		Pennies		100 per class	
9		Candy, piece (in wrapper paper)		2 per class	

* Please note duplicate item.

NOTES
