Chapter Materials and Equipment

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

• Multimedia Needed

• Durables

• Consumables

• Additional Items Needed Not Supplied

Multimedia contains all the software and content videos that are necessary to complete the sections. All the multimedia items needed will be included in the Multimedia DVD/CD Set. In addition to the Multimedia DVD/CD Set, other multimedia items are available such as the *ExamView™* Test Generator and the Constructing Physics Understanding simulations.

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 left-hand column gives the section number(s) in which each item will be used. The next column provides information needed for ordering the particular item. The next column gives the item description. The next columns will indicate quantity, based on either group or class needs. The final 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	**ISBN**	**Multimedia**	**Group (4 Students)**	**Class**	**Total Items Needed**
6	978-1-60720-040-3	Multimedia DVD/CD Set		1 per class	

Section	**Item No.**	**Durables**	**Group (4 Students)**	**Class**	**Total Items Needed**
1, 7	SS-7779	Stopwatch	2 per group		
1, 4, 7	RS-2826	Ruler, metric, 30 cm	1 per group		
2	TA-0025	Tape measure, wind-up	1 per group		
2, 5	SM-1676	Meter stick, wood	1 per group		
4, 5	SH-7212	Ring stand, large	1 per group		
4, 5	ST-0002	Rod, aluminum, 12 in. (length) × 3/8 in. (diameter) (to act as crossarm)	1 per group		
4, 5	HO-0002	Holder, right angle (to act as crossarm)	1 per group		

∗ *Please note duplicate item.*

Section	Item No.	Durables	Group (4 Students)	Class	Total Items Needed
4, 5	SR-6737	Inclined plane ramp for lab cart	1 per group		
4, 5	GC-0001	Dynamics cart	1 per group		
5	SS-1281	Scissors	1 per group		
5	EX-0001	Extension clamp	2 per group		
5	BE-0001	Velocimeter	1 per group		
7	CA-0010	Car, toy, battery operated	1 per group		
7	TT-6833	Turn table, heavy duty	1 per group		
7	WS-6732	Piece, wood, 1 in. × 2 in. × 2 in.	1 per group		
7	AH-9250	Cork, accelerometer	1 per group		
7	BS-7203	Ball, bocce	1 per group		
Section	**Item No.**	**Consumables**	**Group (4 Students)**	**Class**	**Total Items Needed**
7	BS-1608	Battery, AA	1 per group		
7	SS-6078	Sandpaper, 60 grit	1 per group		
2, 7	TS-2662	Tape, masking		1 per class	
4, 5	CS-5011	Index cards, pkg 100		1 per class	
5	FF-7704	Folder, file		10 per class	
5	GS-7706	Paper, graph, pkg of 50		1 per class	
7	SS-7722	String, ball		1 per class	
Section	**Item No.**	**Additional Items Needed Not Supplied**	**Group (4 Students)**	**Class**	**Total Items Needed**
3, 4		Motion detector, probe and interface		1 per class	
3, 4, 6		Computer, station or calculator, CBL or equivalent system	1 per group		
7		Stool, rotating		1 per class	
7		Helmet, safety		1 per class	
7		Pads, knee		1 set per class	
7		Pads, elbow		1 set per class	
7		Rolled up newspaper or magazine	1 per group		
2		Access to a clear hallway		1 per class	

✱ *Please note duplicate item.*

		PLAN B			
Section	**ISBN**	**Multimedia Needed**	**Group (4 Students)**	**Class**	**Total Items Needed**
6	978-1-60720-040-3	Multimedia DVD/CD Set		1 per class	

Section	**Item No.**	**Durables**	**Group (4 Students)**	**Class**	**Total Items Needed**
1, 7	SS-7779	Stopwatch	2 per group		
1, 7	RS-2826	Ruler, metric, 30 cm	1 per group		
4	RS-2826	Ruler, metric, 30 cm		1 per class	*
2	TA-0025	Tape measure, wind-up	1 per group		
2	SM-1676	Meter stick, wood	1 per group		
5	SM-1676	Meter stick, wood		1 per class	*
4, 5	SH-7212	Ring stand, large		1 per class	
4, 5	ST-0002	Rod, aluminum, 12 in. (length) × 3/8 in. (diameter) (to act as crossarm)		1 per class	
4, 5	HO-0002	Holder, right angle (to act as crossarm)		1 per class	
4, 5	SR-6737	Inclined plane ramp for lab cart		1 per class	
4, 5	GC-0001	Dynamics cart		1 per class	
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5	EX-0001	Extension clamp		2 per class	
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7	TT-6833	Turn table, heavy duty		1 per class	
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7		Pads, elbow		1 set per class	
7		Rolled up newspaper or magazine	1 per group		
2		Access to a clear hallway		1 per class	

* *Please note duplicate item.*

NOTES

CHAPTER 1

Active Physics