

Issues and Science

Transitioning from Second to Third Edition

ENERGY (Second Edition) to
ENERGY (Third Edition)

Drawer 1



Drawer 2



Drawer 3



Drawer 4



Drawer 6



Only drawers with transition items are shown

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Part Number
24	1	Blocks, styrofoam, 2" x 2" x 4" A	1	24	2	♦	C1-BLX8
650 g	1	Copper Shot, 800 g <i>(650 g from 2nd edition, 150 g in 3rd edition drawer for a total of 800 g)</i> B	1	800 g	4		SMS-B007
8	1	Cylinders, aluminum, 10 cm x 1.3 cm C	1	8	2		AL-002B
8	1	Cylinders, aluminum, 5 cm x 1.3 cm D	1	8	2		AL-002A
8	1	Cylinders, steel, 10 cm x 1.3 cm E	1	8	2		ST-010B
8	1	Cylinders, steel, 5 cm x 1.3 cm F	1	8	2, 8		ST-010A
16	1	Nails, galvanized steel G	1	16	2		IAPS-P32
8	1	Shot Shaker caps with hole H	1	8	4		SS-1P23E
8	1	Shot Shakers with cap (no hole) I	1	8	4		SS-1B37E
8	1	Thermometers, partial immersion, -20 to 110°C <i>(8 from 2nd edition, 1 in 3rd edition drawer for a total of 9)</i> J	1	9	4, 8		TH-005
8	1	Tubes, transparent, 3/4" diam x 4" K	1	8	2		TUBE009
8	1	Tubes, transparent, 3/4" diam x 8" L	1	8	2		TUBE0010
100	4	Resealable bags, 4" x 6" R	3	100	10		C1-BX100
50	2	Cups, styrofoam, 8 oz <i>(only 32 need to transfer over)</i> M	4	32	7, 8, 10		C1-8CX25
16	2	Thermometers, metal back, -20 to 110°C <i>(16 from 2nd edition, 16 in 3rd edition drawer for a total of 32)</i> N	4	32	7, 11, 13, 14		TH-002A
24	3	Bulbs, #50 <i>(only 8 need to transfer over)</i> O	4	8	14		BU-004
16	4	Bulb socket and thermometer foam holders P	4	16	14		RTC1-BTH
8	4	Rulers, metric, 15 cm Q	4	8	2		RU-003B
16	6	Hot Bulb trays S	4	16	14		V-206STRAY
16	6	Plastic cups, 9 oz <i>(16 from 2nd edition, 8 in 3rd edition drawer for a total of 24)</i> T	4	24	4, 7, 10, 13		TW-9CX16

Energy Drawer 1

Third Edition

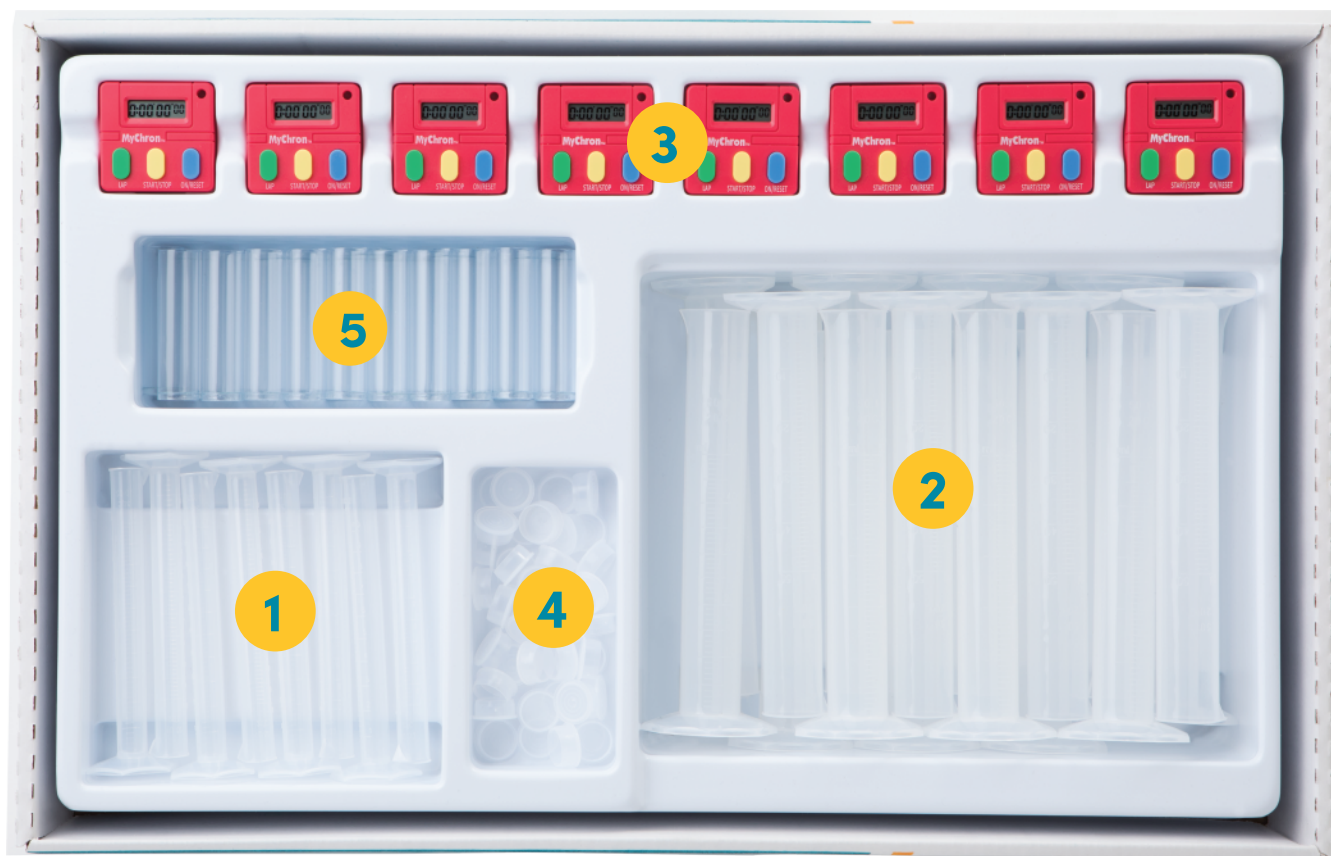


Energy Drawer 1

No.	Description	Item No.
1.	Blocks, styrofoam, 2" x 2" x 4"	C1-BLX8
2.	Copper Shot, 800 g	SMS-B007
3.	Cylinders, aluminum, 10 cm x 1.3 cm	AL-002B
4.	Cylinders, aluminum, 5 cm x 1.3 cm	AL-002A
5.	Cylinders, steel, 10 cm x 1.3 cm	ST-010B
6.	Cylinders, steel, 5 cm x 1.3 cm	ST-010A
7.	Nails, galvanized steel	IAPS-P32
8.	Shot Shaker caps with hole	SS-1P23E
9.	Shot Shakers with cap (no hole)	SS-1B37E
10.	Thermometers, partial immersion, -20 to 110°C	TH-005
11.	Tubes, transparent, 3/4" diam x 4"	TUBE009
12.	Tubes, transparent, 3/4" diam x 8"	TUBE0010

Energy Drawer 2

Third Edition



Energy Drawer 2

No.	Description	Item No.
1.	Graduated cylinders, 10 mL	GC-003A
2.	Graduated cylinders, 50 mL	GC-011
3.	Timers, MyChron	SW-005
4.	Vial plugs	C1-CTCX8
5.	Vials, 3/4" x 2-3/4"	TUBE0044

Energy Drawer 3

Third Edition



Energy Drawer 3

No.	Description	Item No.
1.	Aluminum foil, roll	SMS-P018
2.	Cloths, black	FA-003-1
3.	Cloths, white	ES-2P04E
4.	Cylinders, steel, with hole, 2.5 cm x 1.3 cm	ST-010D
5.	Cylinders, steel, with hole, 5 cm x 1.3 cm	ST-010C
6.	Energy Efficiency Factor cards, set of 4	SMS-L027
7.	Energy Event cards, set of 16	SMS-L026
8.	Plastic wrap, roll	PW-002
9.	Resealable bags, 4" x 6" (underneath)	C1-BX100
10.	Stoppers, rubber, with hole	RS-010A
11.	String spool, 200 ft	ST-027

Energy Drawer 4

Third Edition



Energy Drawer 4

No.	Description	Item No.
1.	Battery harness, 9-volt with an LED bulb and incandescent bulb socket	EH-001
2.	Bulb socket and thermometer foam holders	RTC1-BTH
3.	Bulbs, #50	BU-004
4.	Cups, styrofoam, 8 oz	C1-8CX25
5.	Hot Bulb trays	V-206STRAY
6.	Plastic cups, 9 oz	TW-9CX16
7.	Rulers, metric, 15 cm	RU-003B
8.	Thermometers, metal back, -20 to 110°C	TH-002A

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consum-able ♦	Part Number
24	1	Blocks, styrofoam, 2" x 2" x 4"	1	24	2	♦	C1-BLX8
650 g	1	Copper Shot, 800 g <i>(650 g from 2nd edition, 150 g in 3rd edition drawer for a total of 800 g)</i>	1	800 g	4		SMS-B007
8	1	Cylinders, aluminum, 10 cm x 1.3 cm	1	8	2		AL-002B
8	1	Cylinders, aluminum, 5 cm x 1.3 cm	1	8	2		AL-002A
8	1	Cylinders, steel, 10 cm x 1.3 cm	1	8	2		ST-010B
8	1	Cylinders, steel, 5 cm x 1.3 cm	1	8	2, 8		ST-010A
16	1	Nails, galvanized steel	1	16	2		IAPS-P32
8	1	Shot Shaker caps with hole	1	8	4		SS-1P23E
8	1	Shot Shakers with cap (no hole)	1	8	4		SS-1B37E
8	1	Thermometers, partial immersion, -20 to 110°C <i>(8 from 2nd edition, 1 in 3rd edition drawer for a total of 9)</i>	1	9	4, 8		TH-005
8	1	Tubes, transparent, 3/4" diam x 4"	1	8	2		TUBE009
8	1	Tubes, transparent, 3/4" diam x 8"	1	8	2		TUBE0010
100	4	Resealable bags, 4" x 6"	3	100	10		C1-BX100
50	2	Cups, styrofoam, 8 oz <i>(only 32 need to transfer over)</i>	4	32	7, 8, 10		C1-8CX25
16	2	Thermometers, metal back, -20 to 110°C <i>(16 from 2nd edition, 16 in 3rd edition drawer for a total of 32)</i>	4	32	7, 11, 13, 14		TH-002A
24	3	Bulbs, #50 <i>(only 8 need to transfer over)</i>	4	8	14		BU-004
16	4	Bulb socket and thermometer foam holders	4	16	14		RTC1-BTH
8	4	Rulers, metric, 15 cm	4	8	2		RU-003B
16	6	Hot Bulb trays	4	16	14		V-206STRAY
16	6	Plastic cups, 9 oz <i>(16 from 2nd edition, 8 in 3rd edition drawer for a total of 24)</i>	4	24	4, 7, 10, 13		TW-9CX16

Brand New items that come in the 3rd Edition Drawers

		Energy SDS (Safety Data Sheets)	1	1	0		SMS-ENE-3SDS
		Graduated cylinders, 10 mL	2	8	14		GC-003A
		Graduated cylinders, 50 mL	2	16	7, 8, 10, 13		GC-011
		Timers, MyChron	2	8	4, 11, 13, 14		SW-005
		Vial plugs	2	40	13		SMS-P020
		Vials, 3/4" x 2-3/4"	2	40	13		TUBE0044
		Aluminum foil, roll	3	1	10, 11, 13	♦	SMS-P018
		Cloths, black	3	8	11, 13		FA-003-1
		Cloths, white	3	8	11, 13		ES-2P04E
		Cylinders, steel, with hole, 2.5 cm x 1.3 cm	3	8	8		ST-010D
		Cylinders, steel, with hole, 5 cm x 1.3 cm	3	8	8		ST-010C
		Energy Efficiency Factor cards, set of 4	3	8	15		SMS-L027
		Energy Event cards, set of 16 <i>(these have been redesigned and slightly edited so you may discard the old Energy Event cards and use the ones that come with the transition equipment)</i>	3	4	6		SMS-L026
		Plastic wrap, roll	3	1	10, 13	♦	PW-002
		Stoppers, rubber, with hole	3	8	8		RS-010A
		String spool, 200 ft	3	1	8		ST-027
		Battery harness, 9-volt with an LED bulb and incandescent bulb socket	4	8	14		EH-001