

Issues and Science

Transitioning from
Second to Third Edition

WAVES (Second Edition) to
WAVES (Third Edition)

Drawer 1



Drawer 2



Drawer 3



2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Ref Cat. No.
24	1	Phospho-boxes A	1	24	10, 11, 14		PDC-ES01A
16	2	Cards, colored-film B	2	16	10		PDC-ES02A
16	2	Cards, star-shaped cutout C	2	16	10		PDC-ES03
1	2	Diffraction grating D	2	1	10		P10004
8	2	Film A E	2	8	11		VF-012E
8	2	Film B F	2	8	11		FI-008A
8	2	Film C G	2	8	11		FI-009A
8	2	Lotion, moisturizing, 30 mL bottles H	2	8	14	♦	IAPS-B29
8	2	Lotion, SPF 30 sunscreen, 30 mL bottles I	2	8	14	♦	IAPS-B28
16	2	Plastic pieces, clear J	2	16	14		ES-004B
8	2	Sound cards, set of 5 <i>(these have been redesigned so discard the old sound cards and replace with all the ones that come with the transition equipment)</i> K	2	16	1		IAPS-P53-1
48	2	UV card holders L	2	16	13, 14		IAPS-V003
24	2	UV detector cards M	2	24	11, 13, 14		UV-001
1	3	Aluminum foil, roll N	3	1	13	♦	IAPS-P55
16	3	Cloths, black O	3	16	13		FA-003-1
8	3	Springs, long metal P	3	8	2, 7		SP-009A
24	3	Thermometers Q	3	24	11, 13		TH-010
8	3	Timers, MyChron <i>(8 from 2nd edition, 8 box that comes with transition for a total of 16 to be added to new insert for drawer 3)</i> R	3	16	10, 11, 13, 14		SW-005

NOTE - The 3 Waves drawers from 2nd edition will be reused in the transition as follows: New drawer labels for drawers 1-3 come in the transition package and should be placed over the current 2nd edition drawer labels. Drawer 1 contents do not change at all. Drawer 2 Sound cards should be removed (8 of them) and replaced with the 16 new Sound cards that come with the transition materials. Drawer 3 insert and equipment should be removed, new insert that comes with the transition materials should be placed in the drawer, all equipment minus the red string and washers gets moved over and 8 additional timers that come with the transition materials. Drawers 4-7 are brand new and come with the transition materials.

Waves Drawer 1

Third Edition



Waves Drawer 1

No.	Description	Item No.
1.	Phospho-boxes	PDC-ES01A

Waves Drawer 2

Third Edition

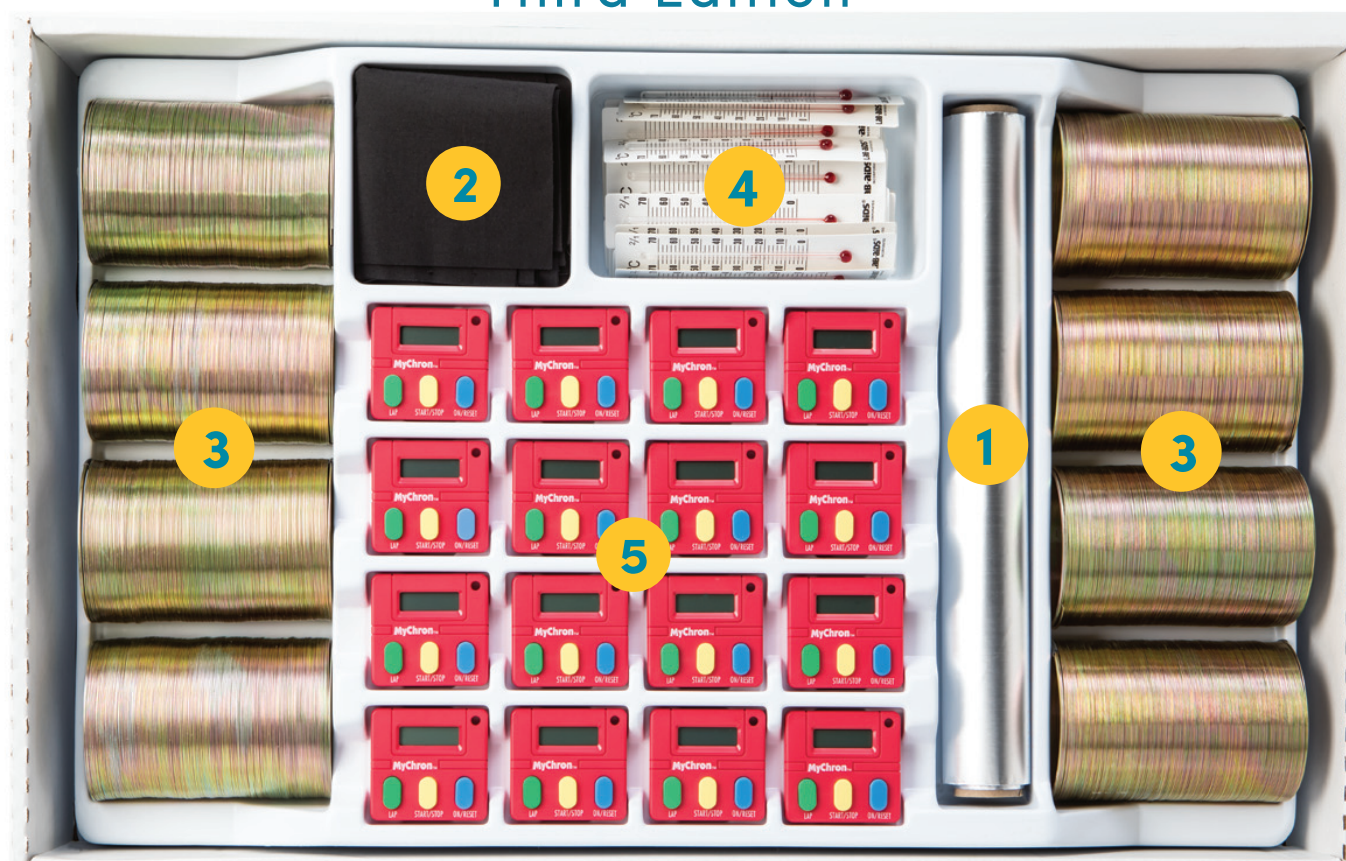


Waves Drawer 2

No.	Description	Item No.
1.	Cards, colored-film	PDC-ES02A
2.	Cards, star-shaped cutout	PDC-ES03
3.	Diffraction grating	P10004
4.	Film A	VF-012E
5.	Film B	FI-008A
6.	Film C	FI-009A
7.	Lotion, moisturizing, 30 mL bottles	IAPS-B29
8.	Lotion, SPF 30 sunscreen, 30 mL bottles	IAPS-B28
9.	Plastic pieces, clear	ES-004B
10.	Sound cards, set of 5	IAPS-P53-1
11.	UV card holders	IAPS-V003
12.	UV detector cards	UV-001

Waves Drawer 3

Third Edition



Waves Drawer 3

No.	Description	Item No.
1.	Aluminum foil, roll	IAPS-P55
2.	Cloths, black	FA-003-1
3.	Springs, long metal	SP-009A
4.	Thermometers	TH-010
5.	Timers, MyChron	SW-005

Waves Drawer 4

Third Edition

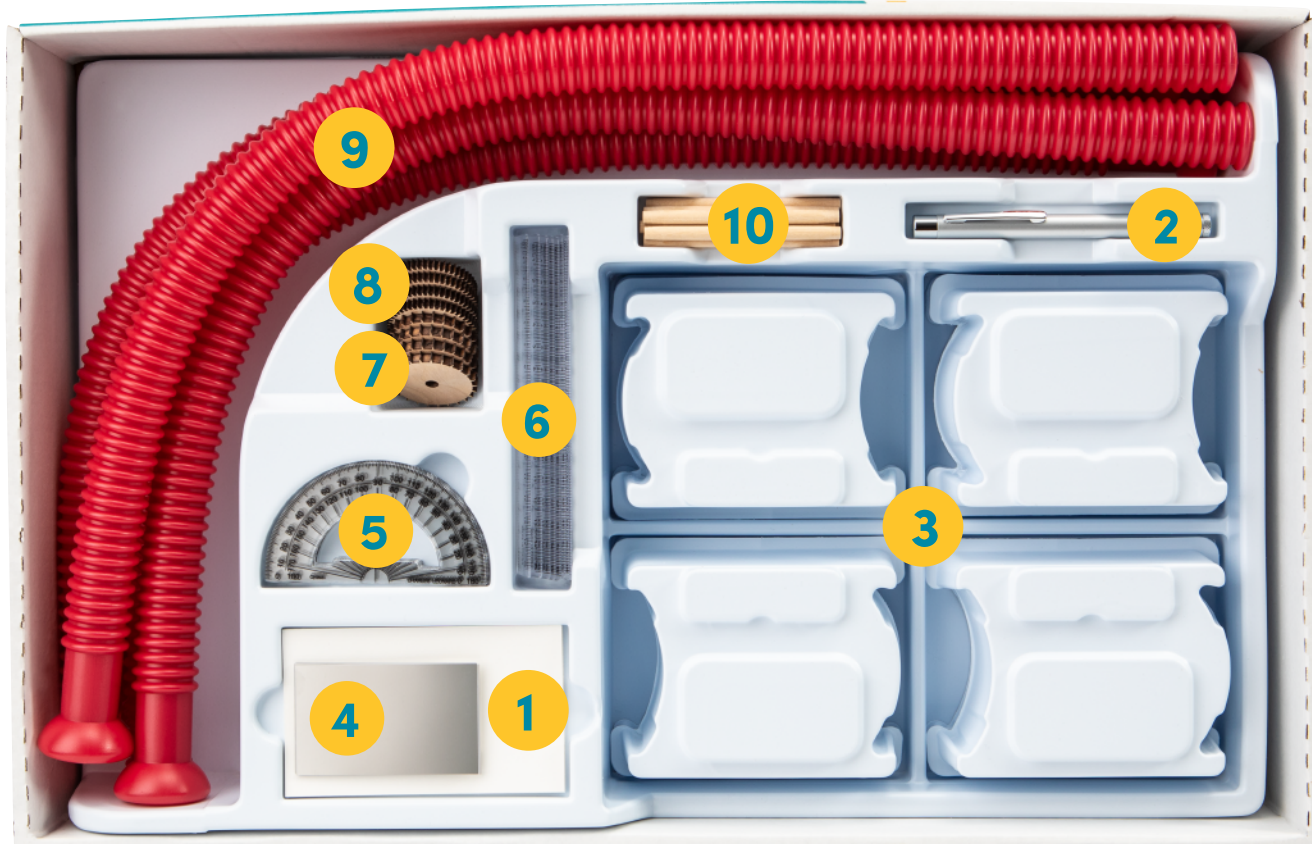


Waves Drawer 4

No.	Description	Item No.
1.	Angle cards	AC-002S
2.	Beam blockers with holder	P10028
3.	Cord, roll	ST-014A
4.	Mirror holders for plane mirror	EXTR-038
5.	Mirrors, plane	MI-004
6.	Paper cups, 9 oz	SMS-P012
7.	Semicircular containers	SC-011
8.	Single-slit masks	LS-104A
9.	Toothpicks, 750/box	TP-005
10.	Triple-slit masks	LS-104B

Waves Drawer 5

Third Edition



Waves Drawer 5

No.	Description	Item No.
1.	Index cards (cardstock), white 3" x 5"	IN-003A
2.	Laser pointer, red	LA-004
3.	Mirror holders for flexible curved mirror	V-P130-01
4.	Mirrors, flexible curved	RM-001
5.	Protractors	PR-005
6.	Rulers, metric plastic, 15 cm	RU-003B
7.	Toothed wheels, 25 teeth	TO-001A
8.	Toothed wheels, 50 teeth	TO-001B
9.	Whirly tubes	ST-026
10.	Wooden dowel (axle) 9 cm	WP-006E

Waves Drawer 6 & 7

Third Edition



Waves Drawer 6 & 7

No.	Description	Item No.
1.	Base-Socket-Switch for Light Station	LS-101A
2.	Foldable wall for Light Station	LS-101B
3.	Top cover for Light Station	LS-101C
4.	Transformer for Light Station	LS-102
5.	Light bulb for Light Station	LS-103

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consum-able ♦	Ref Cat. No.
24	1	Phospho-boxes	1	24	10, 11, 14		PDC-ES01A
16	2	Cards, colored-film	2	16	10		PDC-ES02A
16	2	Cards, star-shaped cutout	2	16	10		PDC-ES03
1	2	Diffraction grating	2	1	10		P10004
8	2	Film A	2	8	11		VF-012E
8	2	Film B	2	8	11		FI-008A
8	2	Film C	2	8	11		FI-009A
8	2	Lotion, moisturizing, 30 mL bottles	2	8	14	♦	IAPS-B29
8	2	Lotion, SPF 30 sunscreen, 30 mL bottles	2	8	14	♦	IAPS-B28
16	2	Plastic pieces, clear	2	16	14		ES-004B
8	2	Sound cards, set of 5 <i>(these have been redesigned so discard the old sound cards and replace with all the ones that come with the transition equipment)</i>	2	16	1		IAPS-P53-1
48	2	UV card holders	2	16	13, 14		IAPS-V003
24	2	UV detector cards	2	24	11, 13, 14		UV-001
1	3	Aluminum foil, roll	3	1	13	♦	IAPS-P55
16	3	Cloths, black	3	16	13		FA-003-1
8	3	Springs, long metal	3	8	2, 7		SP-009A
24	3	Thermometers	3	24	11, 13		TH-010
8	3	Timers, MyChron <i>(8 from 2nd edition, 8 box that comes with transition for a total of 16 to be added to new insert for drawer 3)</i>	3	16	10, 11, 13, 14		SW-005

NOTE - The 3 Waves drawers from 2nd edition will be reused in the transition as follows: New drawer labels for drawers 1-3 come in the transition package and should be placed over the current 2nd edition drawer labels. Drawer 1 contents do not change at all. Drawer 2 Sound cards should be removed (8 of them) and replaced with the 16 new Sound cards that come with the transition materials. Drawer 3 insert and equipment should be removed, new insert that comes with the transition materials should be placed in the drawer, all equipment minus the red string and washers gets moved over and 8 additional timers that come with the transition materials. Drawers 4-7 are brand new and come with the transition materials.

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Ref Cat. No.
Brand New items that come in the 3rd Edition Drawers							
		Angle cards	4	8	8		AC-002S
		Beam blockers with holder	4	8	8, 9		P10028
		Cord, roll	4	1	5		ST-014A
		Mirror holders for plane mirror	4	16	8		EXTR-038
		Mirrors, plane	4	8	8		MI-004
		Paper cups, 9 oz	4	80	5	♦	SMS-P012
		Semicircular containers	4	8	9		SC-011
		Single-slit masks	4	8	8, 9		LS-104A
		Toothpicks, 750/box	4	1	5	♦	TP-005
		Triple-slit masks	4	8	8		LS-104B
		Index cards (cardstock), white 3" x 5"	5	12	2, 8	♦	IN-003A
		Laser pointer, red	5	1	9		LA-004
		Mirror holders for flexible curved mirror	5	8	8		V-P130-01
		Mirrors, flexible curved	5	8	8		RM-001
		Protractors	5	8	8, 9		PR-005
		Rulers, metric plastic, 15 cm	5	8	9		RU-003B
		Toothed wheels, 25 teeth	5	4	2		TO-001A
		Toothed wheels, 50 teeth	5	4	2		TO-001B
		Whirly tubes	5	4	2		ST-026
		Wooden dowels (axle), 9 cm	5	8	2		WP-006E
		Light station, (includes base with socket and light switch, foldable walls, top cover, transformer, 15 W bulb)	6	4	8, 9		LS-101A
		Light station, (includes base with socket and light switch, foldable walls, top cover, transformer, 15 W bulb)	7	4	8, 9		LS-101A