

Issues and Science

Transitioning from
Second to Third Edition

FORCE AND MOTION (Second Edition) **to**
FORCE AND MOTION (Third Edition)

Drawer 1



Drawer 2



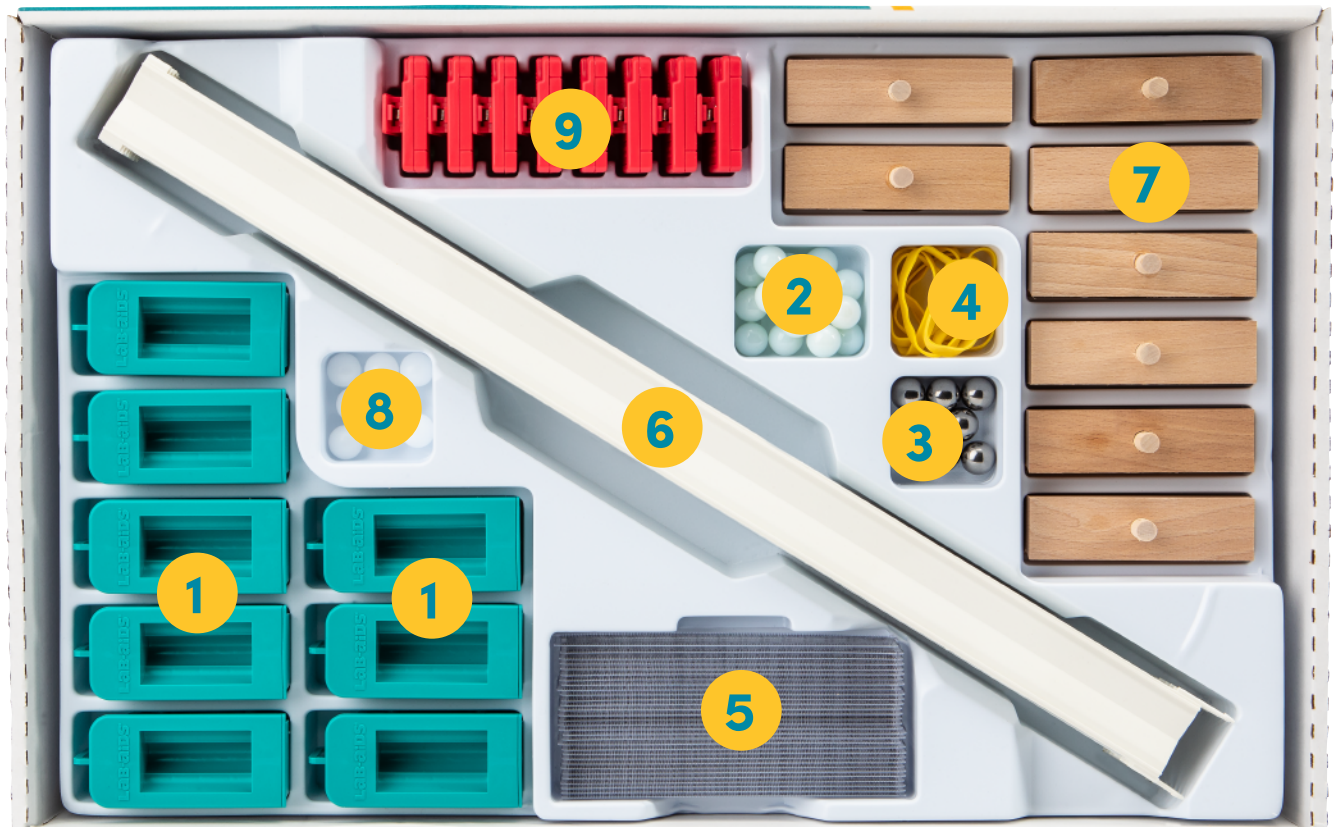
Drawer 3



| 2nd Ed Qty | 2nd Ed Drawer # | Description | 3rd Ed Drawer # | 3rd Ed Qty | Activity # where used | Consumable ↕ | Part Number |
|------------|-----------------|--|-----------------|------------|------------------------|--------------|-------------|
| 8 | 1 | Circular track sets A | 3 | 8 | 6 | | FM-006 |
| 8 | 1 | Ramps <i>(8 from 2nd edition go in drawer 3, 8 in 3rd edition drawer 4 for a total of 16)</i> B | 3, 4 | 16 | 2, 3, 10, 12, 13 | | FM-004 |
| 8 | 2 | Carts C | 1 | 8 | 2, 3, 4, 7, 13 | | FM-003C |
| 8 | 2 | Marbles, glass, 5/8" <i>(8 from 2nd edition, 8 in 3rd edition drawer for a total of 16)</i> D | 1 | 16 | 6, 10, 12 | | MA-006C |
| 8 | 2 | Marbles, steel, 5/8" E | 1 | 8 | 6, 12 | | ST-004A |
| 8 | 2 | Miniature road cones F | 2 | 8 | 6 | | IAPS-V001 |
| 8 | 2 | Rubber bands, yellow, 2 1/2" x 1/4" G | 1 | 8 | 7 | | RB-009 |
| 32 | 2 | Rulers, metric, 15 cm H | 1 | 32 | 6, 14 | | RU-003B |
| 8 | 2 | Timers, MyChron I | 1 | 8 | 2, 3, 7, | | SW-005 |
| 16 | 2, 3 | Tracks <i>(8 into drawer 1, 8 into drawer 2 for a total of 16)</i> J | 1, 2 | 16 | 2, 3, 4, 7, 10, 12, 13 | | FM-001 |
| 8 | 2 | Wooden blocks with hooks K | 1 | 8 | 3, 4, 10 | | IAPS-P01E |
| 8 | 3 | Cloth strips, 1 3/8" x 45" L | 2 | 8 | 13 | | FA-005A |
| 24 | 3 | Cylinders, steel, 5 cm x 1.3 cm M | 2 | 24 | 4, 7, 13 | | ST-010A |
| 16 | 3 | Force meters, 2.5 N N | 2 | 16 | 7, 10 | | P210-P01E |

Force and Motion Drawer 1

Third Edition

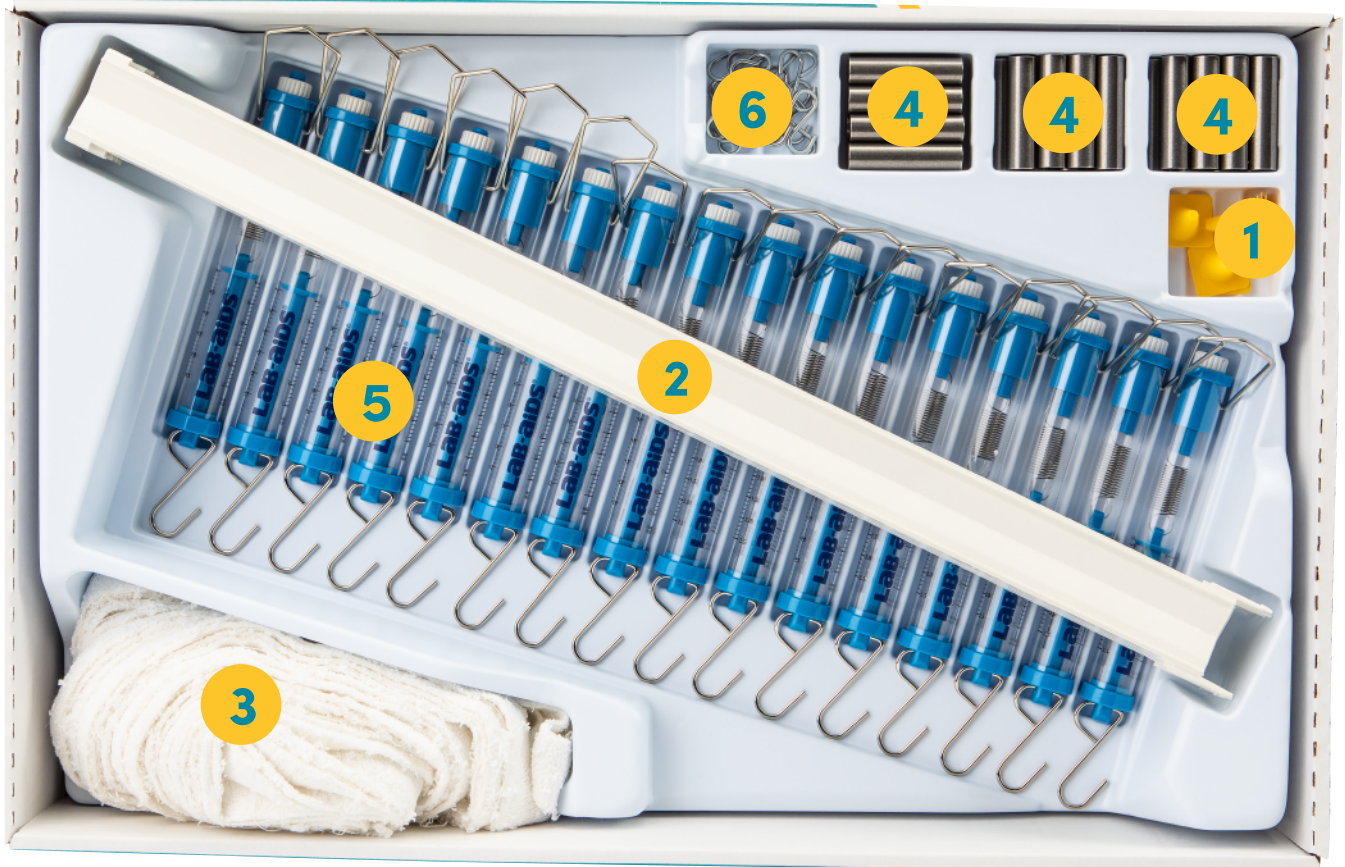


Force and Motion Drawer 1

| No. | Description | Item No. |
|-----|-------------------------------------|-----------|
| 1. | Carts | FM-003C |
| 2. | Marbles, glass, 5/8" | MA-006C |
| 3. | Marbles, steel, 5/8" | ST-004A |
| 4. | Rubber bands, yellow, 2 1/2" x 1/4" | RB-009 |
| 5. | Rulers, metric, 15 cm | RU-003B |
| 6. | Tracks | FM-001 |
| 7. | Wooden blocks with hooks | IAPS-P01E |
| 8. | Marbles, plastic, 5/8" | BA-029A |
| 9. | Times, MyChron | SW-005 |

Force and Motion Drawer 2

Third Edition

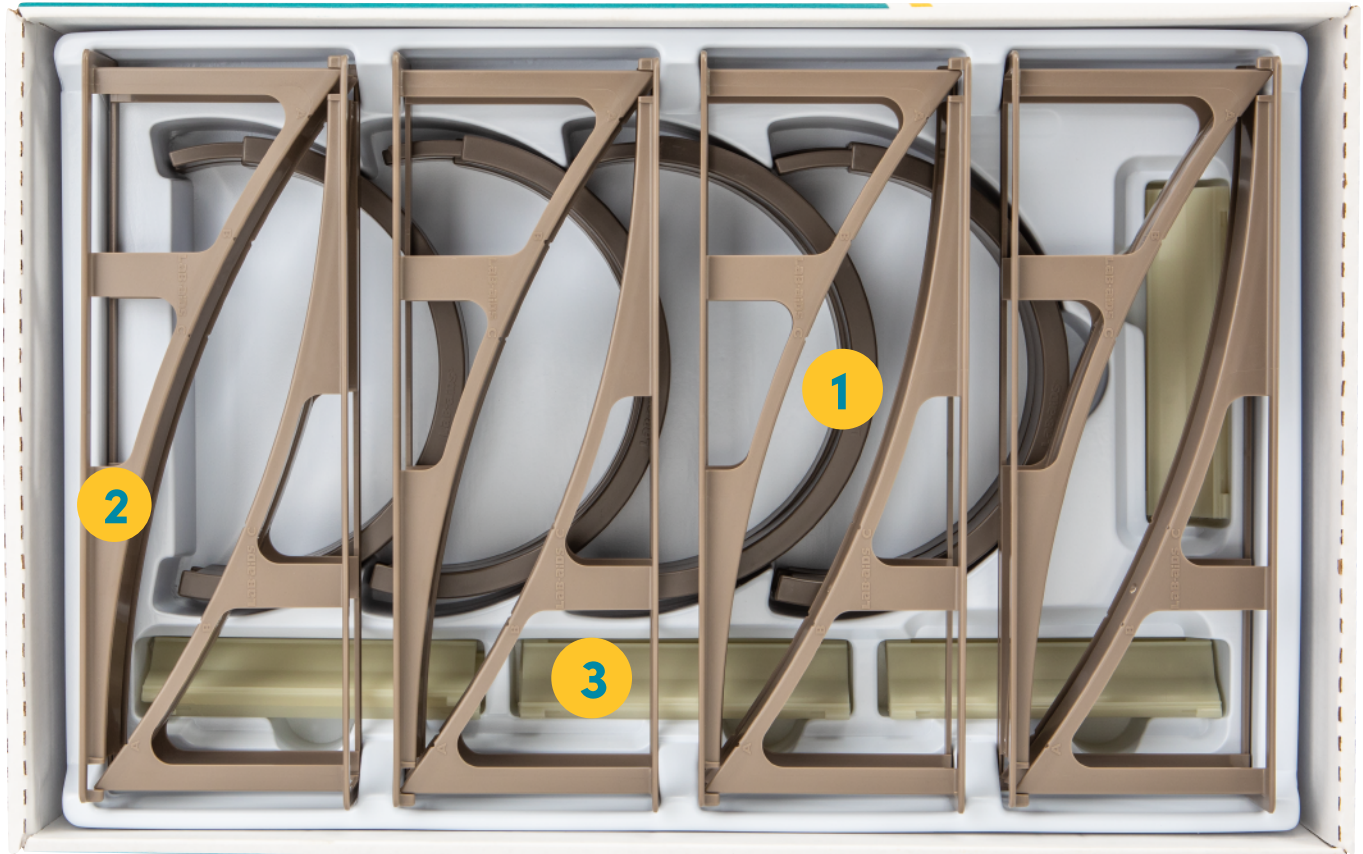


Force and Motion Drawer 2

| No. | Description | Item No. |
|-----|------------------------------------|-----------|
| 1. | Miniature road cones | IAPS-V001 |
| 2. | Tracks | FM-001 |
| 3. | Cloth strips, 1 3/8" x 45" | FA-005A |
| 4. | Cylinders, aluminum, 5 cm x 1.3 cm | ST-010A |
| 5. | Force meters, 2.5 N | P210-P01E |
| 6. | Bucket hooks | SH-002 |

Force and Motion Drawer 3

Third Edition



Force and Motion Drawer 3

| No. | Description | Item No. |
|-----|---------------------|----------|
| 1. | Circular track sets | FM-006 |
| 2. | Ramps | FM-004 |
| 3. | Tracks, small | FM-001S |

Force and Motion Drawer 4

Third Edition



Force and Motion Drawer 4

| No. | Description | Item No. |
|-----|---------------------------------|----------|
| 1. | Ramps | FM-004 |
| 2. | Balloons, 9" | BA-025 |
| 3. | Kinetic Energy cards, set of 40 | SMS-L042 |
| 4. | Ropes, 2' | RO-005 |
| 5. | Rubber bands, cyan, 3" x 1/4" | RB-014 |
| 6. | Zone Strips | SMS-L041 |

Force and Motion Drawer 5

Third Edition



Force and Motion Drawer 5

| No. | Description | Item No. |
|-----|---|----------|
| 1. | Bucket hangers | HA-002 |
| 2. | Buckets (tubes with slots) | TUBE0011 |
| 3. | Cards, white, plastic (not shown) | VF-026B |
| 4. | Colored pencil sets, 8 colors | IAPS-P12 |
| 5. | Cylinders, steel 1.3 cm | AL-002A |
| 6. | Magnets, disk, ¼" x ½" | MA-004 |
| 7. | Motion sensor | MD-002 |
| 8. | Pulleys, single | PU-004A |
| 9. | Smartphone holders with cart attachment | HO-002 |
| 10. | String, 840 ft ball | ST-014A |
| 11. | Tape rolls, masking, 1" x 180' | TA-009A |

| 2nd Ed Qty | 2nd Ed Drawer # | Description | 3rd Ed Drawer # | 3rd Ed Qty | Activity # where used | Consumable ♦ | Part Number |
|------------|-----------------|---|-----------------|------------|------------------------|--------------|-------------|
| 8 | 1 | Circular track sets | 3 | 8 | 6 | | FM-006 |
| 8 | 1 | Ramps <i>(8 from 2nd edition go in drawer 3, 8 in 3rd edition drawer 4 for a total of 16)</i> | 3,4 | 16 | 2, 3, 10, 12, 13 | | FM-004 |
| 8 | 2 | Carts | 1 | 8 | 2, 3, 4, 7, 13 | | FM-003C |
| 8 | 2 | Marbles, glass, 5/8" <i>(8 from 2nd edition, 8 in 3rd edition drawer for a total of 16)</i> | 1 | 16 | 6, 10, 12 | | MA-006C |
| 8 | 2 | Marbles, steel, 5/8" <i>(8 from 2nd edition, 8 in 3rd edition drawer for a total of 16)</i> | 1 | 16 | 6, 12 | | ST-004A |
| 8 | 2 | Miniature road cones | 2 | 8 | 6 | | IAPS-V00I |
| 8 | 2 | Rubber bands, yellow, 2 1/2" x 1/4" | 1 | 8 | 7 | | RB-009 |
| 32 | 2 | Rulers, metric, 15 cm | 1 | 32 | 6, 14 | | RU-003B |
| 8 | 2 | Timers, MyChron | 1 | 8 | 2, 3, 7, | | SW-005 |
| 16 | 2, 3 | Tracks <i>(8 into drawer 1, 8 into drawer 2 for a total of 16)</i> | 1, 2 | 16 | 2, 3, 4, 7, 10, 12, 13 | | FM-001 |
| 8 | 2 | Wooden blocks with hooks | 1 | 8 | 3,4, 10 | | IAPS-POIE |
| 8 | 3 | Cloth strips, 1 3/8" x 45" | 2 | 8 | 13 | | FA-005A |
| 24 | 3 | Cylinders, steel, 5 cm x 1.3 cm <i>{24 from 2nd edition, 8 in 3rd edition drawer for a total of 24}</i> | 5 | 32 | 4, 7, 13 | | ST-010A |
| 16 | 3 | Force meters, 2.5 N | 2 | 16 | 7, 10 | | P210-P01E |

Brand New items that come in the 3rd Edition Drawers

| | | | | | | | |
|--|--|---|---|----|----------------|---|----------|
| | | Marbles, plastic, 5/8" | 1 | 16 | 12 | | BA-029A |
| | | Bucket hooks | 2 | 16 | 7 | | SH-002 |
| | | Tracks, small | 3 | 8 | 10, 12 | | FM-001S |
| | | Balloons, 9" | 4 | 5 | 10 | | BA-025 |
| | | Kinetic Energy cards, set of 40 | 4 | 2 | 5 | | SMS-L042 |
| | | Ropes, 2' | 4 | 8 | 10 | | RO-005 |
| | | Rubber bands, cyan, 3" x 1/4" | 4 | 24 | 2, 3, 7 | | RB-014 |
| | | Zone Strips | 4 | 8 | 12 | | SMS-L041 |
| | | Bucket hangers | 5 | 16 | 7 | | HA-002 |
| | | Buckets (tubes with slots) | 5 | 16 | 7 | | TUBE0011 |
| | | Cards, white, plastic | 5 | 1 | 8 | | VF-026B |
| | | Colored pencil sets, 8 colors | 5 | 16 | 11, 14 | | IAPS-P12 |
| | | Cylinders, aluminum, 5 cm x 1.3 cm | 2 | 16 | 7 | | AL-002A |
| | | Magnets, disk, 1/4" x 1/2" | 5 | 16 | 2, 3, 7 | | MA-004 |
| | | Motion sensor | 5 | 1 | 7 | | MD-002 |
| | | Pulleys, single | 5 | 16 | 7 | | PU-004A |
| | | Smartphone holders with cart attachment | 5 | 8 | 2, 3, 7 | | HO-002 |
| | | String, 840 ft ball | 5 | 1 | 7 | | ST-014A |
| | | Tape roll, masking, 1" x 180' | 5 | 1 | 2, 3, 4, 7, 11 | ♦ | TA-009A |