

Seventh Grade

Knowledge and Skills (1) Scientific Investigation and Reasoning

The student, for at least 40% of instructional time, conducts laboratory and field investigations following safety procedures and environmentally appropriate and ethical practices.

(4) Scientific Investigation and Reasoning

(A): Tools

Suggested Quantity	Revised Quantity	Fisher Part #	Description	Unit Price
Beakers				
8	_____	S95153	BEAKER PP GRADS 50 ML 12/PK	\$11.60
8	_____	S95154	BEAKER PP GRADS 100 ML 12/PK	\$13.90
8	_____	S95155	BEAKER PP GRADS 250 ML 12/PK	\$16.65
8	_____	S95156	BEAKER PP GRADS 500 ML 12/PK	\$23.75
8	_____	S63242	PYREX BEAKER 100ML 12/PK	\$50.95
8	_____	S63243	PYREX BEAKER 150ML 12/PK	\$38.30
8	_____	S63244	PYREX BEAKER 250ML 12/PK	\$40.20
8	_____	S63245	PYREX BEAKER 400ML 12/PK	\$46.85
8	_____	S63246	PYREX BEAKER 600ML 6/PK	\$29.75
Meter Sticks				
8	_____	S32051	Solid Hard Maple Meter Sticks	\$4.20
Graduated Cylinders				
8	_____	S31858	TEKK CYLINDER 25ML 6/PK	\$54.00
8	_____	S31860	TEKK CYLINDER 100ML 6/PK	\$74.65

Hot Plates

8	=====	S50441	SCHOLAR 170 HOTPLATE 110 VOLT	\$167.10
8	=====	S50446HP	STIR/HOT PLATE PC220 4X5" 120V	\$448.00

Test Tubes

8	=====	S30612A	TEST TUBE 16X150MM W/LIP 72/PK	\$64.80
8	=====	S63287	PYREX TEST TUBES 13X100 72/PK	\$33.35
8	=====	S47890	TEST TUBE SUPPORT 13/16 HOLE	\$6.50
8	=====	S99451	WOODEN TEST TUBE RACK	\$8.00

Triple Beam Balances

8	=====	S40020	BALANCE TRIPLE BEAM W/SS PLATE	\$137.25
8	=====	S97281	BALANCE TRIPLE BEAM PRO BALANCE	\$169.00

Microscopes

8	=====	S90000	FSE MIDDLE SCHOOL SCOPE 1	\$128.60
8	=====	S90004	FSE 4X 10X 40X HS SCOPE	\$229.50

Thermometers

8	=====	13201663	SPIRIT THERMOMETER -20-110	\$4.53
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Calculators

30	=====	S65240	TI-15 CALCULATOR	\$22.50
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Computers

Timing Devices

8	_____	S90208	FB WATER-RESISTANT STOPWATCH	\$10.60
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Grade Level Specific:

Petri Dishes

8	_____	S31473	PETRI DISH 100X15MM 12/PK	\$75.95
8	_____	S08185		

Life Science Models

1	_____	S96171	PLANT CELL MODEL	\$359.00
1	_____	S17809	FLOWER, GIANT HANDS ON	\$204.00
1	_____	S94386	MODEL PLUS ANIMAL CELL	\$77.75
1	_____	S17132	PLANT AND ANIMAL CELL ACTIVITY SET	\$225.00
1	_____	S68819	TYPICAL PLANT CELL MODEL	\$46.15
1	_____	S85296	TYPICAL FLOWER MODEL	\$32.95

Water Test Kits

1	_____	S65399	WATERSHED TOUR KIT	\$87.85
1	_____	S19118	PONDWATER TOUR KIT	\$76.50
1	_____	S25705	TAPWATER TOUR KIT	\$70.65
1	_____	S65401	GRN LOW COST WTER MNTORING KIT	\$35.30
1	_____	S66227	FUNKY FAUCET SINK SCIENCE	\$27.10

Temperature and pH Probes

8	_____	S98242-31ND	NEULOG TEMPERATURE SENSOR	\$28.00
8	_____	S98242-24ND	NEULOG PH SENSOR	\$76.00
8	_____	S65513	VERNIER TEMP PROBE	\$115.00
8	_____	S23153	VERNIER CBL PROBE PH SYSTEM SENSOR	\$145.00

Metric Tape Measures

1	_____	S40507	TYVEK TAPE MEASURE 150 CM 10/PK	\$14.85
1	_____	S94309	WINDUP METER TAPE 10 M	\$10.95
1	_____	S94310	WINDUP METER TAPE 30 M	\$17.00
1	_____	S94311	WINDUP METER TAPE 350 M	\$25.00

Metric Rulers

30	_____	S94361	JUNIOR RULER	\$0.85
30	_____	S94362	INTERMEDIATE RULER	\$0.85
30	_____	S94363	SENIOR RULER	\$0.85

Digital Cameras

1		S02525	HD VIDEO FLEX	\$699.00
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Hand Lens

8	_____	S95955	MAGNIFIER-READING LENS 75MM 2X	\$5.70
3	_____	S19224	GIANT FOLDING 2X MAGNIFIER	\$10.75
30	_____	S19230B	DUAL LENS MGNFIERS 3X 6X 10/PK	\$12.95

Microscope Slides

8	S95934B	PLASTIC SLIDE BOX, 25 SLIDES	\$4.20
8	S99200	SLIDE CROSS-COLORED THREADS, W.M.	\$3.00
8	S99208	SLIDE LETTER "E" W.M.	\$4.00
8	S99210A	GOLGI COMPLEX	\$5.50
8	S99212A	MITOCONDRIA	\$5.15
8	S99467	BACTERIA	\$5.00
8	S68788	ANIMAL CELLS BASIC SLIDE SET	\$57.00
8	S68787	PLANT CELLS BASIC SLIDE SET	\$57.00
8	S2450050	MEIOSIS 10/PK	\$125.00
8	S10044	MITOSIS, MEIOSIS AND FISSION SET	\$55.00
8	S10441	MIXED MARINE DIATOMS	\$5.00
8	S17466	MICRO SLIDE 75X25MM PLN 144/PK	\$5.45
8	S175201	MICRO SLIDE 1 CONCAVITY 12/PK	\$7.60
8	S17525B	PLASTIC COVER SLIPS 100/PK	\$3.30
1	S16440	DEMOSLIDE TUBE W/CAPS BX 120PK	\$73.15

Stereoscopes

8	<hr/>	S90013A	BASIC 3 STEREO SCOPE 2X, 4X	\$264.00
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Globes

4	<hr/>	S45159	PHYSICAL GLOBE 12IN/ATLANTIS	\$71.70
1	<hr/> <hr/>	S45163	GLOBE HYDROGRAPHIC RELIEF	\$209.20

Collecting Nets

30		S95939	INSECT COLLETING NET	\$26.90
8		S85005S	STUDENT-GRADE KICK-NET	\$33.60
8		S85005P	KICK-NET WITH POLES	\$90.80

Insect Traps

2		S32627	BERLESE APPARATUS	\$79.15
8		S67616	CREATURE PEEPER	\$9.75

(B) Safety Equipment

Chemical Splash Goggles

30	_____	S47615	GOGGLE SPLSH IND VENT 1PR/PK	\$4.40
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Aprons

30	_____	S47382	BLUE APRON MED 27"W X 42"L	\$6.70
30	_____	S475612	RUBBERIZED APRON 27 X 42IN	\$9.40

Gloves

1	_____	S47341	GLOVE N-DEX LP 4MIL MED 100/PK	\$20.95
2	_____	S473383	SMALL PF LATEX GLOVES 100/PK	\$18.73
8	_____	S47368	GLOVES FLOCK #9 PK/12PR	\$49.40

Eye/Face Wash

1	_____	S477014	FACE/EYE WASH	\$403.00
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Fire Blanket

1	_____	S47559B	NOMEX FIRE BLANKET	\$101.65
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Fire Extinguisher

1	_____	S51214	FIRE EXTINGUISHER 5 LB	\$85.80
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Grade Level Content

Matter and Energy:

Compost Bins

Force, Motion, and Energy:

Ramps

8	_____	S40902	INCLINED PLANE BOARD W/PULLEY	\$29.25
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Earth and Space:

Models/Photos Sun, planets, other objects in the solar system

1	_____	S98149	SOLAR SYSTEM PLANET POSTER	\$134.95
1	_____	S45166	PLANETARIUM UNIVERSAL ILL	\$204.00
1	_____	S45183	PLANETARIUM TRIPPENSEE HAND	\$434.00
1	_____	S45211	MOON GLOBE	\$56.95
8	_____	S53032A	ASTROLAB KIT/15 EA	\$192.75
8	_____	S45173	STAR FINDER	\$8.30
1	_____	S68571N	DISCOVERY EDU SPACE EXPLORATION CD-ROM	\$299.95
1	_____	S90454DVD	SPACE SCIENCE: THE BASICS GR 6-8	\$89.95
1	_____	S68377B	SOLAR SYSTEM CD-ROM	\$199.95

Organisms and Environments:

Life Science Models: Human Body Systems, Plant and Animal Cells

Microhabitats

1	=====	S79204	TERRARIUM HABITATS - BOOK	\$23.05
4	=====	S95456	PLANET FROG	\$36.00
4	=====	S13201	WORM-VUE FARM	\$34.95
4	=====	S17605	GIANT ANT FARM	\$24.85
4	=====	S79118	LADYBUG LAND	\$18.75
4	=====	S96080	GEOSAFARI ANT FACTORIES	\$25.00

Insects

1	=====	S85297	INSECT LIFE CYCLE LAB INVESTIGATION	\$115.45
3	=====	S98740	COCKROACHES HISSING UNIT OF 10	\$13.00
1	=====	S98738	CRICKETS HOUSE UNIT OF 100	\$33.00
1	=====	S98734	MEALWORMS, UNIT OF 100 LARVAE	\$13.00
2	=====	S98739	MILKWEED BUG EGGS UNIT OF 25	\$18.00
1	=====	S98741	PRAYING MANTIS EGG CASE - 100 TO 200	\$9.50
2	=====	S98733	SOW BUGS UNIT OF 25	\$15.00

Dichotomous keys

1	=====	S19368	INTRO/USE OF DICHOTOMOUS KEYS	\$50.00
1	=====	S65123	CLASS OF LIVING THINGS LAB INVESTIGATION	\$54.95
1	=====	S98139	CLASSIFICATION OF ANIMALS CD-ROM	\$79.95

Implied Tools/ Equipment

Periodic Table

1	=====	S45521	CLASSROOM SIZE PERIODIC CHART	\$211.80
1	=====	S45520	NOTEBOOK PERIODIC TABLE 100/PK	\$19.90

Molecular Models

8	=====	S44051	MOLECULAR MODEL 3/4	\$31.30
8	=====	S44052	FISHER MOLECULAR MODEL SET	\$31.50

Plants

1	=====	S28280	GROWLAB 2 COMPACT GARDEN III	\$299.95
4	=====	S21487	BOG TERRARIUM ASSORTMENT	\$31.70
1	=====	S17620	PLANT LAB STARTER SET	\$73.75
8	=====	S79055	GERMINATION/GREENHOUSE STUDENT KIT	\$46.00
1	=====	S95677	GREENTHUMB CLASSROOM GREENHOUSE	\$60.00
1	=====	S28280	GROWLAB II COMPACT INDOOR GARDEN	\$299.95

Seeds

1	=====	S11951	QUICK PLANT SEEDS; WILD TYPE 150 SEEDS	\$20.00
1	=====	S11957	QUICK PLANT SEEDS;VARIEGATED 150 SEEDS	\$20.00
1	=====	S94674	QUICK PLANT SEEDS; DWARF 150 SEEDS	\$20.00