

Eighth 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
Journals/Notebooks				
8	<u> </u>	S68518	QUADRILLE LABORATORY NOTEBOOK	\$14.56
Beakers				
8	<u> </u>	S95153	BEAKER PP GRADS 50 ML 12/PK	\$11.60
8	<u> </u>	S95154	BEAKER PP GRADS 100 ML 12/PK	\$11.90
8	<u> </u>	S95155	BEAKER PP GRADS 250 ML 12/PK	\$16.65
8	<u> </u>	S95156	BEAKER PP GRADS 500 ML 12/PK	\$23.75
8	<u> </u>	S63242	PYREX BEAKER 100ML 12/PK	\$50.95
8	<u> </u>	S63243	PYREX BEAKER 150ML 12/PK	\$38.30
8	<u> </u>	S63244	PYREX BEAKER 250ML 12/PK	\$40.20
8	<u> </u>	S63245	PYREX BEAKER 400ML 12/PK	\$46.85
8	<u> </u>	S63246	PYREX BEAKER 600ML 6/PK	\$29.75
Meter Sticks				
8	<u> </u>	S32051	Solid Hard Maple Meter Sticks	\$4.20
Graduated Cylinders				
8	<u> </u>	S31858	TEKK CYLINDER 25ML 6/PK	\$54.00
8	<u> </u>	S31860	TEKK CYLINDER 100ML 6/PK	\$74.45

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	_____	13 201 663	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

1	_____	S65330	MYCHRON STUDENT TIMERS 12/PK	\$77.70
8	_____	S90208	FB WATER-RESISTANT STOPWATCH	\$10.60

Grade Level Specific:

Anemometers

4	_____	S45146	ECONOMICAL ANEMOMETER	\$35.00
4	_____	S96261	ENVIRONMENTAL QUALITY ANEMOMETER	\$199.00
4	_____	S98192	FSE TRACEABLE VAN ANEMOMETER	\$99.00
4	_____	S98195	FSE TRACEABLE VAN MICRO-ANEMOMETER	\$64.00

Psychrometers

4	_____	S407994	DIGITAL RELATIVE HUMIDITY/TEMP METER	\$59.65
4	_____	S66279	FSE THERMOMETER/CLOCK/HUMIDITY	\$42.25
4	_____	S90197	MASON'S HYGROMETER	\$16.30
1	_____	S53087A	SLING PSYCHROMETER KIT 15/PK	\$72.95
4	_____	S02006	FISHERBRAND SLING PSYCHROMETER	\$88.00

Spring Scales

8	_____	S32120	DIAL SPRNG SCALE 1000X25G10NX0.25N	\$10.90
8	_____	S32121	DIAL SPRING SCALE 2000X50G 72X2OZ	\$10.90
8	_____	S40117	PULL SPRING SCAL 2.5NX.1N DYNE	\$10.90
8	_____	S40142A	COLOR CODED SPRING SCALE 250G/2.5N	\$5.20

8	_____	S40142B	COLOR CODED SPRING SCALE 500G/5N	\$5.20
8	_____	S40142C	COLOR CODED SPRING SCALE 1000G/10N	\$5.20
8	_____	S40142D	COLOR CODED SPRING SCALE 2000G/20N	\$5.20
8	_____	S40142E	COLOR CODED SPRING SCALE 3000G/30N	\$5.20
8	_____	S40142F	COLOR CODED SPRING SCALE 5000G/50N	\$5.20
8	_____	S40142G	MULTI COLOR, SET OF SIX	\$34.95

Spectroscopes

8	_____	S42581A	QUANTITATIVE ANALYSIS SPECTROSCOPE	\$8.20
8	_____	S48826	PROJECT STAR SPECTROSCOPE PK/15	\$40.00
2	_____	S53022-1A	SPECTROSCOPE KIT	\$56.95

(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:

Periodic Table

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

Models of Atoms

1	_____	S194331	ATOMIC MODELS SET	\$225.00
1	_____	S94021	BUCKET OF ATOMS MODEL SET	\$240.65
1	_____	S64991	ATOM ACTIVITY MODEL	\$82.35

Force, Motion, and Energy:

Earth and Space:

Earth Models

8	_____	S78951	CROSS-SECTION EARTH MODEL	\$19.00
1	_____	S469951	LANDFORMS DISCOVERY PACK	\$332.00
1	_____	S45061	GEOLOGY MODELS PT I/II 8/PK	\$340.00
8	_____	S53005	CONTOUR MODEL KIT	\$20.00
1	_____	S66033	VOLCANO MODEL, SET OF 10	\$113.25
1	_____	S45064	GEOLOGY DEMONSTRATION SET 1/PK	\$62.95
1	_____	S45159	PHYSICAL GLOBE 12IN/ATLANTIS	\$71.70
1	_____	S45163	GLOBE HYDROGRAPHIC RELIEF	\$209.20

Earth/Moon/Sun Models

1	_____	S45166	PLANTARIUM UNIVERSAL ILL	\$204.00
1	_____	S45183	PLANETARIUM TRIPPENSEE HAND	\$434.00
1	_____	S45211	MOON GLOBE	\$56.95
1	_____	S68377B	SOLAR SYSTEM CD-ROM	\$199.95

Electromagnetic Spectrum

1	_____	S63155	ELECTOMAGNETIC SPECTRUM CHART	\$22.50
1	_____	S42464	THERMO SCIENTIFIC CHART	\$70.80

Topographic Maps

1	_____	S85111	INTRO TOPOGRAPHIC MAPS CD	\$100.60
8	_____	S96774	MAKING AND INTERPRETING TOPOGRAPHIC MAPS	\$90.00
8	_____	S66556	TOPOGRAPHIC MODELING AND MAPPING	\$25.25
1	_____	S65458	GEOBLOX TOPOGRAPHIC LANDFORMS	\$35.90
1	_____	S51404	100 TOPOGRAPHIC MAPS PK OF 10	\$171.50

			Satellite Images	
1	_____	S98149	SOLAR SYSTEM PLANET POSTER	\$134.95
1	_____	S98153	RAISED RELIEF MAP OF THE MOON	\$32.95

Weather Maps

8	_____	S45524	WEATHER MAPS - NOTEBOOK SIZE 50/PK	\$13.35
1	_____	S45523	CHART WEATHER ON COMMON ROLLERS	\$75.00
1	_____	S451361	WEATHER PROJECT WORK SHEET 50/PAD	\$10.25
1	_____	S79059	WEATHER WALL CLASSROOM MAP	\$42.00

Organisms and Environments:

Implied Tools/ Equipment

Models such as an atom, a molecule, space or a geologic feature

1	_____	S19486	MOLECULES OF LIFE KIT FOR 30 STUDENTS	\$115.00
1	_____	S65374	BUCKYBALL MODEL	\$23.50
1	_____	S19420-1	BASIC MAGNETIC MOLECULE MODEL	\$126.35
1	_____	S94012	GRAPHITE MODEL SET	\$28.25
1	_____	S94019	ICE MODEL SET	\$46.80
1	_____	S44044	GIANT SIZE ORGANIC MODEL	\$344.00