



MONITORING TOOL - SCIENCE EQUIPMENT (GRADES 7 to 10)

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1 Advanced Electromagnetism Kit		kit								
2 -Bar Magnets: Alnico type, 150 mm X 12 mm X 8 mm										
6 -Magnetic compass, 20 mm diameter										
2 -U-Magnets, Alnico, 6 mm X 16 mm cross section X 100 mm long, jaw opening: 50 mm										
1 -Magnetic field mapper-9 cm X 16 cm clear transparent casing contains iron filings immersed in transformer oil, should clearly show magnetic lines										
1 -spool magnet wire (enamel coated) #20, 100 ft										
1 - steel rod 1/2" dia x 4" long										
2 -copper wire solid, #14, insulated, 15 each cm long										
3- wood blocks 1" X 3" X 4" with pilot holes that run through center of block										
2 Air Blower, variable speed control		unit								
3 Alcohol Burner, glass, 150 ml. Capacity		pc								
4 Alcohol Thermometer, -20°C to 110°C		pc								
5 Aluminum Rod, solid, Ø 6mm (minimum) x 300mm long (Conductor)		pc								
6 Aneroid Barometer Set (demonstration type)		unit								
7 Aneroid Barometer Set (wall type)		unit								
8 Animal Cell Chart, tarpaulin, 660mm x 500mm		pc								
9 Archimedes Principle Set		set								
10 AWG # 18 stranded wire connector, blue, 250mmL w/ alligator clips at both ends		pc								
11 AWG # 18 stranded wire connector, red, 250mmL w/ alligator clips at both ends		pc								
12 AWG # 18 Wire, black, 250mm long with alligator clips at both ends		lh								
13 AWG # 18 Wire, black, 500mm long with alligator clips at both ends		lh								
14 AWG # 18 Wire, red, 250mm long with alligator clips at both ends		lh								
15 AWG # 18 Wire, red, 500mm long with alligator clips at both ends		lh								
16 Baking Soda (NaHCO ₃), 200 grams / bottle		bottle								

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17 Balance, Triple-Beam		unit								
18 Balance, Triple-Beam, 2610-gram capacity		unit								
19 Bar Magnet, 6" x 3/4" x 1/4"		pc								
20 Basic Electronics Kit		kit								
a) Resistors:1 assembly 1000 Ω, 2 watts; 1 assembly 2000 Ω, 2 watts;										
1 assembly 10 kΩ, 2 watts; 1 assembly 100 kΩ 2 watts										
b) Rectifier Diodes, IN 4002: 4 assemblies										
c) LED, large size - 1 assembly, white										
d) NPN transistor, 2N3440 or 2N3439 or equivalent - 1 assembly										
e) Capacitor 1500 μF, 25 V- 1 assembly										
f) Variable Resistor, large, rotary, carbon, 5 kΩ, mono-1 assembly										
21 Basic Lens Set (set of 6 lenses)		set								
22 Beaker, 100 ml, borosilicate		pc								
23 Beaker, 1000mL		pc								
24 Beaker, 250 ml, borosilicate		pcs								
25 Beaker, 50 ml, borosilicate		pc								
26 Beaker, 500 ml., polypropylene plastic		pc								
27 Beaker, 600 ml, borosilicate		pc								
28 Benedict's Solution, 100ml/bottle		bottle								
29 Boric Acid, 100 grams / bottle		bottle								
30 Bromthymol blue, 100 ml / bottle		bottle								
31 Bulldog Type Clip, small, 1 inch		pc								
32 Bunsen Burner, gas-type		unit								
33 Calcium Chloride, 100 grams / bottle		bottle								
34 Cart-Rail System (includes Dynamic Carts, Motorized Cart, Rails, etc.)		set								
35 Case 001 (with Cover and Base Sheathing)		pc								
36 Case 002 (with Cover and Base Sheathing)		pc								
37 Case 003 (with Cover and Base Sheathing)		pc								
38 C-Clamp with hook		pc								
39 Celestial Globe		unit								
40 Chart on Electromagnetic Spectrum, 750mm x 1000mm, tarpaulin		pc								
41 Chart on Periodic Table of Elements, tarpaulin, 36" x 72"		pc								

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42	Chart on Radioactive Elements, 1000mm x 1500mm, tarpaulin	pc								
43	Copper Rod, solid, Ø 6mm (minimum) x 300mm long (Conductor)	pc								
44	Copper Sulfate, CuSO ₄ , 100 grams / bottle	bottle								
45	Copper wire AWG # 16, solid	meter								
46	Cork Borers, 4mm to 20mm OD, 12 borers/set	set								
47	Cork stopper for 250 ml Erlenmeyer flask , with 1 hole	pc								
48	Cork stopper for 250 ml Erlenmeyer flask , with 2 holes	pc								
49	Cork stopper for Ø 16mm test tube	pc								
50	Cup Anemometer with Wind Vane, handheld, digital direct reading	unit								
51	DC Ammeter	unit								
52	DC String Vibrator with String	unit								
53	DC Voltmeter	unit								
54	Development of an Embryo Chart, tarpaulin, 660mm x 500mm	pc								
55	Dissecting Set	set								
56	Distillation Setup	set								
	Distilling flask, 250ml	pc								
	Condenser, Leibig-type (straight)	pc								
	Rubber stopper for distilling flask w/ two 6mm holes; 60-70 Duro	pc								
	Rubber stopper for condenser w/ one hole; 60-70 Duro	pc								
	Rubber tube, Ø 10mm x 8mm x 2000mm long	lht								
57	Dry Cell Holder, for single size D dry cell, 4 pcs/set	set								
58	Dry Cell Holder, single	pcs								
59	Dry Cell, 9 V, ISO Certified	pc								
60	Dry Cell. 1.5 V, size D , ISO Certified	pc								
61	Erlenmeyer Flask, 250 ml., borosilicate	pc								
62	Evaporating Dish, 75 ml. capacity	pc								
63	Experiment Module	pc								
64	Ferrous Sulfate,100 grams / bottle	bottle								
65	Filter Paper, ordinary, 24" x 24" sheet	sht								
66	Florence Flask, 250 ml., borosilicate glass	pc								
67	Food Guide Pyramid Chart, tarpaulin, 660mm x 500mm	pc								
68	Free-Fall Apparatus (includes Solenoid, Pad Switch, Synchro Box, Timer, etc.)	set								

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69	Friction Apparatus	set								
70	Fuse Holder with Fuse	pc								
71	Galvanometer	unit								
72	Gene Map of the Human Chromosome, tarpaulin, 660mm x 500mm	pc								
73	Gentian Violet, 100 ml / bottle	bottle								
74	Glass Cover Slips, 100's/box	box								
75	Glass Funnel, Ø 50mm (Top Inside Diameter), length of stem: 75mm	pc								
76	Glass Rod, solid, Ø 6mm (minimum) x 300mm long (Insulator)	pc								
77	Glass Slides, 72's/box	box								
78	Glass Tube, 3mm OD x 1200mm long (for experiments in capillarity)	lh								
79	Glass Tube, 6mm OD x 1200mm long (for experiments in capillarity)	lh								
80	Glass Tubes, Hematocrit, 100's/pack (for experiments in capillarity)	pack								
81	Glass Tubing, Ø 4mm x 1220mm long	lh								
82	Glass Tubing, Ø 6mm x Ø 4mm x 1220mm long	lht								
83	Graduated Cup, 250 ml. Capacity, plastic, transparent	pc								
84	Graduated cylinder, 10 ml cap, borosilicate	pc								
85	Graduated Cylinder, 10 ml. Capacity	pc								
86	Graduated Cylinder, 100 ml. capacity	pc								
87	Graduated Cylinder, 100 ml., borosilicate	pc								
88	Hand Gloves, acid/solvent-resistant, super nitrile	pair								
89	Hand Lens, at least 10x magnification	pc								
90	Hand Lens, at least 5x magnification	pc								
91	Hooked Masses:									
	500-gram Hooked Mass	pc								
	250-gram Hooked Mass	pc								
	20-gram Hooked Mass	pc								
92	Hooke's Law Apparatus	set								
93	Hydrochloric Acid, HCl, technical grade, 500 ml / bottle	bottle								
94	Hydrometer, Specific Gravity: 0.700 - 2.000, 15" long	pc								
95	Iodine Solution, 100 ml / bottle	bottle								
96	Knife Switch, SPST	pcs								
97	Laboratory Tong, stainless steel, 8 3/4" long	pc								

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98	Lens Paper, 50's/pack	pack								
99	Lever Assembly	assy								
100	Life Cycle of a Plant Chart, tarpaulin, 660mm x 500mm	pc								
101	Light Source	pc								
102	Litmus Paper Strips, blue, 100's/vial	vial								
103	Litmus Paper Strips, red, 100's/vial	vial								
104	Logic Gates Trainer Kit	unit								
105	Loudspeaker, ≥ 1 watt, all frequency or low range, 4-8 Ohms.	unit								
106	LPG tank with gas, 11 kg. capacity, regulator & hose assbly.	unit								
107	Magnesium Ribbon, 25grams/roll	roll								
108	Magnetic Compass	pc								
109	Manganese Dioxide, 50 grams / bottle	bottle								
110	Map of Philippine Climates, 35" x 50", tarpaulin	unit								
111	Map of Philippine Volcanoes, 34" x 51", tarpaulin	unit								
112	Map of Stars, 48" x 54", tarpaulin	unit								
113	Map of World Climates, 42" x 42", tarpaulin	unit								
114	Medicine Dropper, 2 ml. capacity	pc								
115	Mendel's Law Charts:									
	Monohybrid Cross Chart, tarpaulin, 660mm x 500mm	pc								
	Dihybrid Cross Chart, tarpaulin, 660mm x 500mm	pc								
116	Meterstick, plastic	pc								
117	Microscope, Compound	unit								
118	Microscope's Immersion Oil, 100mL/bot	bottle								
119	Miniature Bulb base (Socket), screw-type inrectangular plasic base, srew type binding posts	pc								
120	Miniature Bulb, 2.5 V, screw-type	pc								
121	Miniature Light Bulb Base (Socket), 3 pcs/set, with baseboard & binding posts	set								
122	Miniature Light Bulb, 1.35 to 2.5 V, 0.06 A or greater handling current, 3 pcs/set	set								
123	Mirror Set (set of 3 mirrors)	set								
124	Model, Animal Meiosis	unit								
125	Model, Animal Mitosis	unit								
126	Model, Human Skeleton	unit								

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127	Model, Human Torso	unit								
128	Mortar and Pestle, 150 ml. Capacity	set								
129	Motor-Generator Model Experiment Set	set								
130	Multiclamp Assembly	assy								
131	Multimeter, digital	unit								
132	Musical cards, Size A5 (210mmx148mm)	pc								
133	Musical Instrument, miniature Guitar	unit								
134	NSTIC-developed Heat Conductivity Apparatus	pc								
135	NSTIC-developed Thermocline Apparatus	pc								
136	Ø12.7mm x 1000mm long Stand Rod	pc								
137	Ø9.5mm x 250mm long Stand Rod	pc								
138	Ø9.5mm x 500mm long Stand Rod	pc								
139	Oil, vegetable, 100 ml / bottle	bottle								
140	Open U-tube Manometer with Simple Water Pressure App. Nakamura Type (and accs.)	unit								
141	Penlight, 2x" AA", aluminum alloy case	pc								
142	Petri Dish	pc								
143	Petri Dish, Ø 100mm (minimum)	pc								
144	Phenolphthalein Indicator, 100 grams/bottle	bottle								
145	Plant Cell Chart, tarpaulin, 660mm x 500mm	pc								
146	Plastic Rod, solid, Ø 6mm (minimum) x 300mm long (Insulator)	pc								
147	Plastic spoon, transparent, 15.24cm length	pc								
148	Poster on Basic Laboratory Apparatuses, 30" x 40", tarpaulin	pc								
149	Poster on Laboratory Safety Rules, 30" x 40", tarpaulin, wall mount	pc								
150	Poster: Layers of the Earth, 33" x 52", tarpaulin	unit								
151	Poster: The Richter Magnitude Scale, 33" x 52", tarpaulin	unit								
152	Potassium Chloride, 100 grams / bottle	bottle								
153	Potassium Iodide, KI, 100 grams / bottle	bottle								
154	Prism , right-angle, acrylic, T=10mm; Base=40mm; H=65mm or 90°x45°x45°; hyp: 75mm	pc								
155	Protractor, plastic, 180°, semi-circular, 15cm diameter (minimum)	pc								
156	Pulley Set:									

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	Double Pulley Assembly		assy							
	Single Pulley Assembly		assy							
157	Pyramid of Biomass Chart, 660mm x 500mm		pc							
158	Rain Gauge		unit							
159	Refraction Blocks (1 set is composed of 1 pc Glass & 1 pc Acrylic), semi-circular blocks		set							
160	Refraction Tank		unit							
161	Resistance Board, 3 boards/set		set							
162	Resonance Tube Set, close-ended		set							
163	Ring and Ball Apparatus		unit							
164	Ring with stem		pc							
165	Rock Samples Box, 24 compartments, minerals and 3 rock types		pc							
166	Rubber Stopper # 0, with 1 hole		pc							
167	Rubber Stopper # 0, without holes		pc							
168	Rubber Stopper # 6 with 2 holes		pc							
169	Rubber stopper for Ø 16mm test tube		pc							
170	Rubber stopper for 250 ml Erlenmeyer flask , with 1 hole		pc							
171	Rubber stopper for 250 ml Erlenmeyer flask , with 2 holes		pc							
172	Rubber Stopper for Ø 16mm test tube		pc							
173	Safety Goggles, polycarbonate		pair							
174	Seismograph Model		unit							
175	Set of Connectors:									
	AWG # 18, black, 250mm long with alligator clip and banana plug on ends		pc							
	AWG # 18, red, 250mm long with alligator clip and banana plug on ends		pc							
	AWG # 18, white, 250mm long with banana plugs on both ends		pc							
	AWG # 18, blue, 250mm long with banana plugs on both ends		pc							
176	Set of Tools		set							
	Screwdriver, flat, 3/16" tip W x 6" L		pc							
	Screwdriver, phillips,Point size blade #3 x 6" long		pc							
	Long Nose Pliers with side cutter, 6"		pr							
	Mechanical-Wire Cutter and Pliers, 6"		pr							
	Soldering Iron, 60 watts		pc							

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	Ball Peen Hammer, length including handle is 11", 350 grams		pc							
	Precision Screwdrivers Set, 6 pcs, with plastic casing		set							
	Tweezers, stainless steel, with curved tips, 6 1/2" long		pr							
	Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool		spool							
	Soldering Paste, all purpose flux, 50 grams/can		can							
177	Slinky Coil, metal, Ø3" x 4" long		pc							
178	Sodium hydroxide (Lye), odorless white semi-transparent solids, 250 grams / bottle		bottle							
179	Sodium Hydroxide (NaOH), pellets, 100 grams / bottle, technical grade		bottle							
180	Sodium sulfate, 100 grams / bottle		bottle							
181	Solar System Model		unit							
182	Sound Signal Generator Kit		unit							
183	Spare Parts:									
	Worm with Axle Assembly of the Motorized Cart		assy							
	Worm Gear A of the Motorized Cart		pc							
	Spur Gear B of the Motorized Cart		pc							
	Spur Gear C of the Motorized Cart		pc							
184	Spring Balances:									
	10-Newton Spring Balance Assembly		assy							
	5-Newton Spring Balance Assembly		assy							
	2-Newton Spring Balance Assembly		assy							
185	Stainless steel metal screw # 6; 6mm x 3in		pc							
186	Stand Base Assembly		assy							
187	Stand Support		pc							
188	Steel Rod, solid, Ø 6mm (minimum) x 300mm long (Conductor)		pc							
189	Stirring Rod, Ø 6mm x 250mm long		pc							
190	Stopwatch, digital		pc							
191	Storage Cabinet for corrosive materials, PP		unit							
192	Storage Cabinets:									
	Integrated Science Storage Cabinet		pc							
	Biology Storage Cabinet		pc							
	Chemistry Storage Cabinet		pc							
	Physics Storage Cabinet		pc							

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193	Student Optical Bench Set with Meterstick	set								
194	Sulfur Powder, 100 grams / bottle	bottle								
195	Sun-Earth-Moon Model	unit								
196	Switch, knife-type	unit								
197	Syringe, 10 ml. Capacity, glass	pcs								
198	Syringe, 10 ml. Capacity, glass without needle	pc								
199	Telescope, astronomical	unit								
200	Terrestrial Globe, Ø 12 inches	unit								
201	Test Tube Brush	pc								
202	Test Tube Holder	pc								
203	Test Tube Rack	pc								
204	Test Tube, Ø16mm x 150mm long	pc								
205	Ticker Timer Set, 6-12V	sets								
206	Transformer (Set of Coils)	set								
207	Triangular File, 6" long, with handle	pc								
208	Tripod	pc								
209	Tuning Fork Set (set of 8 tuning forks)	set								
210	Tweezer, 6 1/2" long, stainless steel, self-closing, with wood handle & serated jaws	pair								
211	Universal Bosshead Assembly	assy								
212	Universal Clamp Assembly	assy								
213	Universal pH Paper, ph 0-14, 100 strips/pack	pack								
214	User's Manual (Basic Science)	pc								
215	User's Manual (Mechanics)	pc								
216	U-shaped Magnet, 3" L x 3" W x 3/4" thick	pc								
217	Variable Power Supply with 5 pcs. Terminal Board	unit								
218	Vial, Ø 12mm x 75mm long	pc								
219	Wash Bottle, plastic, 250 ml.	pc								
220	Watch Glass, Ø 90mm	pc								
221	Wire Gauze	pc								
222	Wire Stripper	pc								
223	Wood Rod, solid, Ø 6mm (minimum) x 300mm long (Insulator)	pc								
224	Yeast, granules, active dry yeast, 100 grams / bottle	bottle								

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225 Zinc Nitrate, 100 grams / bottle		bottle								
226 Zinc Pellets, 100 grams / bottle		bottle								

REGION: _____
 DIVISION: _____
 SCHOOL: _____
 SCHOOL ID: _____

Prepared by:

 SIGNATURE OVER PRINTED NAME
 Teacher