



REPUBLIC OF THE PHILIPPINES  
**DEPARTMENT OF EDUCATION**  
2F, Rizal II BLDG., DepEd Complex, Meralco Ave., Pasig City, Philippines



**MAY 17 2010**

DepED Order  
No. **52**s 2010

IMPLEMENTATION OF THE SCIENCE AND MATHEMATICS EQUIPMENT  
PROJECT, FY 2010 IN SUPPORT OF THE 2010 SECONDARY  
EDUCATION CURRICULUM

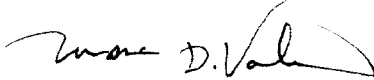
To: Undersecretaries  
Assistant Secretaries  
Bureau Directors  
Regional Directors  
Schools Division/City Superintendent  
Head of Public Secondary Schools

1. In support of the 2010 Secondary Education Curriculum and the strengthening of Science and Technology Education in basic education, DepED through the National Science Teaching Instrumentation Center (NSTIC) shall continue distributing packages of science and mathematics equipment including laboratory glassware, consumables and storage cabinets to the public schools to enhance the academic performance of students in Science and Mathematics.

2. For FY 2010, a total amount of P500M shall be provided for the Project. Due to budgetary constraints, the Project funds shall be used for the procurement of approved science and math equipment and consumables, cabinets and training. The allocations by region shown in Inclosure 1 represent the cost of equipment and cabinets intended for the lowest 20 performing high schools on the basis of the latest results of the National Achievement Test. However, those lowest 20 performing schools that already received science and math equipment packages in the past shall no longer be included. Instead, they shall be replaced by next qualified high school on the basis of the same criterion. The balance of the fund shall be spent for training school officials concerned on the handling, utilization, safekeeping and inspection of deliveries and shall be managed by the NSTIC.

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3. Inclosure 2 shows the list of Science and Math equipment, including laboratory glassware and consumables and cabinets that will be received by each recipient high school.
4. For inquiries, please contact the following NSTIC personnel Mr. Marvin S. Maquilas or Engr. Ralph H. Neri at telephone numbers: (032) 2553633 to 35; Fax number: (032) 2553005 or email: [depednstic@yahoo.com](mailto:depednstic@yahoo.com).
5. Immediate dissemination of this Order is desired.

  
MONA D. VALISNO  
Secretary  
MT [Handwritten initials] [Handwritten initials] [Handwritten initials]  
5/13

Encls.:

As stated

References:

DepEd Order: No. 118, s. 2009

To be indicated in the Perpetual Index  
under the following subjects:

CURRICULUM  
EQUIPMENT  
FUNDS  
LISTS  
PROJECTS

(Enclosure No. 1 to DepEd Order No. 52, s. 2010)

REGIONAL SHARE OF THE PHP 500 MILLION PROJECT FUNDS FY 2010

PARTICULARS	NO. OF RECIPIENT SCHOOLS	AMOUNT (PHP)
<i>A. REGIONS:</i>		
REGION 1	20	28,335,780.00
REGION 2	20	28,335,780.00
REGION 3	20	28,335,780.00
REGION 4-A	20	28,335,780.00
REGION 4-B	20	28,335,780.00
REGION 5	20	28,335,780.00
REGION 6	20	28,335,780.00
REGION 7	20	28,335,780.00
REGION 8	20	28,335,780.00
REGION 9	20	28,335,780.00
REGION 10	20	28,335,780.00
REGION 11	20	28,335,780.00
REGION 12	20	28,335,780.00
CARAGA	20	28,335,780.00
ARMM	20	28,335,780.00
CAR	20	28,335,780.00
NCR	20	28,335,780.00
TOTAL	340	481,708,260.00
<i>B. INSPECTION AND TRAINING OF CONCERNED SCHOOL OFFICIALS</i>		18,291,740.00
GRAND TOTAL		500,000,000.00

NOTE: EACH RECIPIENT SCHOOL WILL RECEIVE 1 SET OF SCIENCE EQUIPMENT YR I - IV, MATH EQUIPMENT YR I - IV, LABORATORY GLASSWARES, CONSUMABLES AND STORAGE CABINETS

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## (Enclosure No. 2A to DepEd Order No. 52, s. 2010)

## LIST OF INTEGRATED SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
1	Aneroid Barometer	1	unit
2	Beaker, 250 ml. capacity, borosilicate glass	5	pc
3	Erlenmeyer Flask, 250 ml. capacity, borosilicate glass	5	pc
4	Stirring Rod, Ø 6mm x 250mm long, borosilicate glass	5	pc
5	Test Tube, Ø 16mm x 150mm long, borosilicate glass	30	pc
6	Glass Tubing, Ø 6mm x Ø 4mm x 1220mm long, soda lime glass	5	lh
7	Vial, Ø 12mm x 75mm long, borosilicate glass	25	pc
8	Graduated Cylinder, 10 ml. capacity, borosilicate glass	5	pc
9	Graduated Cylinder, 25 ml. capacity, borosilicate glass	5	pc
10	Hand Lens, at least 5x magnification	5	pc
11	Rain Gauge	1	unit
12	Protractor, plastic, 180°, semi-circular, Ø 150mm	5	pc
13	Stopwatch, digital	5	pc
14	Balance, Triple-Beam, Capacity: 610 grams	5	unit
15	Terrestrial Globe, Ø 12 inches	1	unit
16	Bulb, flashlight size, 2.5 V, screw-type, ISO Certified	20	pc
17	Bulb Socket, flashlight size, screw-type, ISO Certified	20	pc
18	Cardboard, 26" x 36"	10	sht
19	Cartolina, white	10	sht
20	Clay, any color, in bars	10	bar
21	Plastic Cup, transparent, 12 oz., 50's/pack	1	pack
22	Illustration Board, 15" x 20"	10	sht
23	Manila Paper	5	sht
24	Rubber Band, small	2	box
25	Scissors, plastic handle, 8"	5	pair
26	String, any color	1	roll
27	Styropore Balls:		
	27.1) Ø 1" Styropore Ball	20	pc
	27.2) Ø 2" Styropore Ball	10	pc
	27.3) Ø 4" Styropore Ball	5	pc
28	Penlight, 3 V, plastic case	5	pc
29	Rubber Stopper # 1, with 2 holes	5	pc
30	Rubber Stopper # 1, without holes	5	pc
31	Rubber Stopper # 1, with 1 hole	5	pc
32	Map of World Climates, 87" x 53", tarpauline	1	unit
33	Map of Philippine Climates, 22" x 35", tarpauline	1	unit
34	Map of Philippine Volcanoes, 22" x 35", tarpauline	1	unit
35	Map of Stars, 36" x 36", tarpauline	1	unit
36	Poster: Layers of the Earth, 22" x 14", tarpauline	1	unit
37	Poster: The Richter Magnitude Scale, 22" x 14", tarpauline	1	unit
38	Glass Funnel, Ø 75mm, borosilicate glass	5	pc
39	Seismograph Model	1	unit
40	Anemometer with Wind Vane	1	unit

LIST OF INTEGRATED SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
41	Magnetic Compass	5	pc
42	AWG # 22 Wire, red, 250mm long with alligator clips at ends	6	lh
43	AWG # 22 Wire, black, 250mm long with alligator clips at ends	6	lh
44	AWG # 22 Wire, red, 500mm long with alligator clips at ends	6	lh
45	AWG # 22 Wire, black, 500mm long with alligator clips at ends	6	lh
46	Bar Magnet. 6" x 3/4" x 1/4"	5	pc
47	U-shaped Magnet, 3" L x 3" W x 3/4" thick	5	pc
48	Alcohol Burner, glass, 120 ml. capacity	5	pc
49	Petri Dish, Ø 100mm, glass	5	pc
50	Watch Glass, Ø 100mm	5	pc
51	Reagent Bottle, 250 ml. capacity, glass, Capacity: 250 ml.	5	pc
52	Medicine Dropper, 2 ml. capacity, glass tube length = 76 mm	30	pc
53	Mortar and Pestle, 300 ml. capacity, porcelain	5	set
54	Thermos Bottle, 2 liters capacity	1	unit
55	Syringe, 10 ml. capacity, glass	5	pc
56	Glass Tubes, Hematocrite, 100's/pack	1	pack
57	Glass Tube, 3mm OD x 1200mm long	5	lh
58	Glass Tube, 6mm OD x 1200mm long	5	lh
59	Graduated Cup, 200 ml. capacity, plastic, transparent	5	pc
60	Meterstick, plastic	5	pc
61	Ring and Ball Apparatus	5	unit
62	Glass Rod, solid, Ø 1/2" x 12" long	5	pc
63	Plastic Rod, solid, Ø 1/2" x 12" long	5	pc
64	Wooden Rod, solid, Ø 1/2" x 12" long	5	pc
65	Copper Rod, solid, Ø 1/2" x 12" long	5	pc
66	Aluminum Rod, solid, Ø 1/2" x 12" long	5	pc
67	Steel Rod, solid, Ø 1/2" x 12" long	5	pc
68	Sun-Earth-Moon Model	1	unit
69	Solar System Model	1	unit
70	Constellation	1	unit
71	Hydrometer, Specific Gravity: 0.700 - 2.000, length= 15", glass	5	pc
72	Rock Samples with compartmented storage/display box	1	pc
73	Telescope, astronomical, complete with tripod	1	unit
74	Bunsen Burner, gas-type	1	unit
75	Tweezer, 6 1/2" long, stainless steel	5	pc
76	Alcohol Thermometer, -20°C to 110°C	10	pc
77	NSTIC-developed Thermocline Apparatus	5	pc
78	Storage Cabinet (for Non-corrosive Materials)	2	unit

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## (Enclosure No. 2B to DepEd Order No. 52, s. 2010)

## LIST OF BIOLOGY SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
1	Microscope, Compound	20	unit
2	Dissecting Set	5	set
3	Model, Human Torso, life-size	1	unit
4	Model, Human Skeleton, life-size	1	unit
5	Model, Animal Mitosis, 24" W x 18" H	1	unit
6	Model, Animal Meiosis, 24" W x 18" H	1	unit
7	Test Tube, Ø 16mm x 150mm long, borosilicate glass	30	pc
8	Evaporating Dish, 75 ml. capacity, porcelain	10	pc
9	Mortar and Pestle, 300 ml. capacity, porcelain	5	set
10	Petri Dish, Ø 100mm, glass	10	pc
11	Beaker, 250 ml., borosilicate glass	10	pc
12	Alcohol Thermometer, -20°C to 110°C	10	pc
13	Balance, Triple-Beam, Capacity: 610 grams	5	unit
14	Cork Borers, 4.8mm to 16.7mm OD, 6's/set	1	set
15	Tripod, Height = 6"	5	pc
16	Cork Stopper for Ø 20mm test tube	20	pc
17	Rubber Stopper for Ø 20mm test tube	20	pc
18	Rubber Stopper # 1 without holes	5	pc
19	Filter Paper, 12.5cm, 100's/pack	1	box
20	Litmus Paper Strips, blue	1	vial
21	Litmus Paper Strips, red	1	vial
22	Drinking Straws, any color, 100's/pack	1	pack
23	Hand Gloves, acid-resistant, rubber	5	pair
24	Modelling Clay, any color, 1cm x 4cm x 20cm	20	bar
25	Ruler, steel, 30cm	5	pc
26	Syringe, plastic, 30 ml.	5	pc
27	Glass Slides	5	box
28	Glass Cover Slips	5	box
29	Wash Bottle, glass	10	pc
30	Baking Soda (NaHCO <sub>3</sub> )	1	kg
31	Lye (NaOH), powder	500	gram
32	Gentian Violet	500	ml
33	Iodine Solution	500	ml
34	Bromthymol blue	300	ml
35	Oil, vegetable	500	ml
36	Yeast, powder	500	gram
37	Plant Cell Chart, tarpauline, 660mm x 500mm	1	pc
38	Animal Cell Chart, tarpauline, 660mm x 500mm	1	pc
39	Development of an Embryo Chart, tarpauline, 660 x 500mm	1	pc
40	Mendel's Law Charts:		
	40.1) Monohybrid Cross Chart, tarpauline, 660 x 500mm	1	pc
	40.2) Dihybrid Cross Chart, tarpauline, 660mm x 500mm	1	pc
41	Gene Map of the Human Chromosome, tarpauline, 660 x 500mm	1	pc

LIST OF BIOLOGY SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
42	Food Pyramid Chart, tarpauline, 660mm x 500mm	1	pc
43	Flowers and Seed Structure Chart, tarpauline, 660 x 500mm	1	pc
44	Graduated Cylinder, 100 ml., borosilicate glass	10	pc
45	Erlenmeyer Flask, 250 ml., borosilicate glass	10	pc
46	Stirring Rod, Ø 6mm x 250mm long, borosilicate glass	5	pc
47	Hand Lens, at least 5x magnification	5	pc
48	Alcohol Burner, glass, 120 ml. capacity	5	pc
49	Graduated Cylinder, 10 ml., borosilicate glass	10	pc
50	Watch Glass, Ø 100mm	10	pc
51	Medicine Dropper, 2 ml. capacity, glass tube length = 76 mm	15	pc
52	Glass Funnel, Ø 75mm, borosilicate glass	5	pc
53	Safety Glasses/Goggles	5	pair
54	Storage Cabinet (for Non-corrosive Materials)	2	unit

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## (Enclosure No. 2C to DepEd Order No. 52, s. 2010)

## LIST OF CHEMISTRY SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
1	Alcohol Thermometer, -20°C to 110°C	5	pc
2	Test Tube, Ø12mm x 75mm long, borosilicate glass	25	pc
3	Test Tube, Ø13mm x 100mm long, borosilicate glass	10	pc
4	Wire Gauze, stainless steel wire mesh, Ø 90mm ceramic center	5	pc
5	Stirring Rod, Ø 6mm x 250mm long, borosilicate glass	5	pc
6	Beaker, 250 ml., borosilicate glass	20	pc
7	Beaker, 500 ml., borosilicate glass	5	pc
8	Evaporating Dish, 75 ml. capacity, porcelain	5	pc
9	Electrolysis Apparatus, Hoffman-type	5	set
10	Cork Stoppers	5	pc
11	Cork Borers, 4.8mm to 16.7mm OD, 6's/set	1	set
12	Reagent Bottle, narrow mouth amber color (250 ml. cap.), glass	5	pc
13	Reagent Bottle, narrow mouth colorless (250 ml. cap.), glass	5	pc
14	Reagent Bottle, wide mouth colorless (250 ml. cap.), glass	5	pc
15	Erlenmeyer Flask, 250 ml., borosilicate glass	5	pc
16	Balance, Triple-Beam, Capacity: 610 grams	5	unit
17	Alcohol Burner, glass, 120 ml. capacity	5	pc
18	Florence Flask, 250 ml., borosilicate glass	5	pc
19	Spatula, ceramic with good chemical resistance, length = 7.25"	5	set
20	Calorimeter	5	unit
21	Glass Funnel, Ø 75mm, borosilicate glass	5	pc
22	Volumetric Flask, 250 ml., borosilicate glass	1	pc
23	Rubber Tube, Ø 6mm x Ø 4mm x 5000mm long	2	lh
24	Glass Tubing, Ø 6mm x Ø 4mm x 1220mm long, soda lime glass	1	lh
25	Burette, 10 ml. capacity, borosilicate glass	1	pc
26	Syringe, 5 ml. capacity, plastic	5	pc
27	Pipette, 10 ml. capacity, glass	1	pc
28	Vial, Ø 6mm x 50mm long, borosilicate glass, 100's/pack	1	pack
29	Deflagrating Spoon, stainless steel	5	pc
30	Bunsen Burner, gas-type	5	unit
31	LPG tank with gas, 11 kg. capacity	1	unit
32	Test Tube Brush, over-all length = 12"	5	pc
33	Osmosis Apparatus	1	unit
34	Conductivity Apparatus	1	unit
35	Condenser, Liebig-type	1	set
36	pH Meter, range: 0 to 14 pH, 9-volt battery operated	1	unit
37	pH Strips on Vinyl, 1.0 - 14 pH/1.0 pH, 3 color spot, 50's/pack	1	pack
38	Filter Paper, 12.5cm, 100's/box	1	box
39	Safety Glasses/Goggles	10	pair
40	Acetone	1	liter
41	Activated Carbon	500	gram
42	Spirit of Ammonia	500	ml
43	Water Ammonia	500	ml



LIST OF CHEMISTRY SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
44	Boric Acid	500	gram
45	Calcium Chloride	500	gram
46	CuSO <sub>4</sub>	500	gram
47	H <sub>2</sub> O <sub>2</sub>	500	ml
48	HCl	1	liter
49	KMnO <sub>4</sub>	500	gram
50	MgO	500	gram
51	Lye (NaOH)	500	gram
52	Magnesium Ribbon, minimum of 1 meter/roll	3	rolls
53	Oil, Engine, SAE 30 or 40	500	ml
54	Potassium Iodide	500	gram
55	Sulfur Powder	500	gram
56	Zinc Chloride	500	gram
57	Zinc Pellets	500	gram
58	Chart on Periodic Table of Elements, tarpauline, 900 x 1800mm	1	pc
59	Poster on Laboratory Safety Rules, tarpauline, 750 x 1000mm	1	pc
60	Poster on Basic Laboratory Apparati, tarpauline, 750 x 1000mm	1	pc
61	Cabinet for corrosive materials, stainless steel	1	unit
62	Penlight, 3 V, plastic case	10	pc
63	Hand Gloves, acid-resistant, rubber	10	pair
64	NSTIC-developed Basic Science Equipment:		
	64.1) Stand Base Assembly	10	assy
	64.2) Stand Support	20	pc
	64.3) Ring with stem	5	pc
	64.4) Ø9.5mm x 250mm long Stand Rod	10	pc
	64.5) Ø9.5mm x 500mm long Stand Rod	20	pc
	64.6) Ø12.7mm x 1000mm long Stand Rod	5	pc
	64.7) Multiclamp Assembly	25	assy
	64.8) Universal Bosshead Assembly	10	assy
	64.9) Universal Clamp Assembly	12	assy
	64.10) Test Tube Holder	5	pc
	64.11) Test Tube Tack	6	pc
	64.12) Case 001 (with Cover and Base Sheathing)	1	pc
	64.13) Case 002 (with Cover and Base Sheathing)	1	pc
	64.14) Case 003 (with Cover and Base Sheathing)	1	pc
	64.15) User's Manual	1	pc
65	Storage Cabinet		
	65.1) Storage Cabinet (for Corrosive Materials)	1	unit
	65.2) Storage Cabinet (for Non-corrosive Materials)	2	unit

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(Enclosure No. 2D to DepEd Order No. 52, s. 2010)

LIST OF PHYSICS SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
1	Archimedes Principle Apparatus, 100 ml. capacity	1	set
2	Open U-tube Manometer, soda lime glass, mounted on a wooden stand	1	unit
3	Air Blower, 2-speed setting, 500-1000 watts, 220 volts AC	1	unit
4	Miniature Light Bulb, 1.35 V, 0.06 A, 3 pcs/set, ISO Certified	5	set
5	Miniature Light Bulb Base (Socket), 3 pcs/set, ISO Certified	5	set
6	Dry Cell Holder, for single size D dry cell, 4 pcs/set	5	set
7	Set of Connectors:		
	7.1) AWG # 22, black, 300mm long with alligator clips at ends	15	pc
	7.1) AWG # 22, red, 300mm long with alligator clips at ends	15	pc
	7.1) AWG # 22, white, 300mm long with alligator clips at ends	10	pc
	7.1) AWG # 22, yellow, 300mm long with alligator clips at ends	10	pc
8	Resistance Box	5	set
9	Introduction to Radioactivity Kit, Lab-Aids	1	set
10	Switches, knife-type	5	unit
11	DC Ammeter	5	unit
12	DC Voltmeter	5	unit
13	Galvanometer	5	unit
14	Set of Coils	5	set
15	Motor-Generator Model Experiment Set	5	set
16	Set of Tools		
	16.1) Screwdriver, flat, 6"	1	pc
	16.2) Screwdriver, phillips, 6"	1	pc
	16.3) Long Nose Pliers, 6"	1	pc
	16.4) Mechanical Pliers, 6"	1	pc
	16.5) Soldering Iron, 30 watts	1	pc
	16.6) Ball Peen Hammer, handle length=11"	1	pc
	16.7) Precision Screwdrivers Set, 6 pcs. with plastic casing	1	set
	16.8) Tweezers, stainless steel, with curved tips, 6 1/2" long	1	pc
	16.9) Diagonal Cutter, 6"	1	pc
17	Advanced Electromagnetism Kit	5	kit
18	Graphing Calculator Set:		
	18.1) Projectable Graphing Calculator	1	unit
	18.2) Non-projectable Graphing Calculator	5	unit
19	Basic Electronics Kit	5	kit
20	Fuse with Holder	5	pc
21	Variable Power Supply	5	unit
22	Tuning Fork Set (set of 8 tuning forks)	1	set
23	Resonance Tube Set, open-ended	5	set
24	Sound Signal Generator Kit	5	kit
25	Loudspeaker, 2" - 3" Ø, ≥ 1 watt, woofer type, 4 - 8 Ohms	5	unit
26	Wave Demonstration Set:		
	26.1) Slinky Coil, metal, Ø3" x 4" long	5	pc
	26.2) Helical Spring, steel, Ø3/4" x 72" long	5	pc

LIST OF PHYSICS SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
27	DC String Vibrator with String	5	set
28	Musical Instrument (Ukelele, small size)	1	unit
29	Basic Lens Set (set of 6 lenses)	5	set
30	Mirror Set (set of 3 mirrors)	5	set
31	Prism, right-angle, acrylic, 28 x 38 x 75mm	5	pc
32	Refraction Blocks (1 set is composed of 1 pc Glass & 1 pc Acrylic)	5	set
33	Refraction Tank	5	unit
34	Student Optical Bench Set with Meterstick	5	set
35	Multimeter	5	unit
36	Protractor, 360° transparent plastic, Ø 120mm	5	pc
37	Beaker, 500 ml., borosilicate glass	5	pc
38	Florence Flask, 250 ml., borosilicate glass	5	pc
39	Chart on Electromagnetic Spectrum, 750 x 1000mm, tarpauline	1	pc
40	Chart on Radioactive Elements, 1000mm x 1500mm, tarpauline	1	pc
41	Acetate, A4, ordinary, 100's/box	1	box
42	Pingpong Ball	10	pc
44	Balloon, rubber, large size	10	pc
45	Modelling Clay, standard	5	bar
46	Party Cups, 12 oz., transparent, 50's/pack	1	pack
47	Cutter, office-type	5	pc
48	Dry Cell, 1.5 V, size D, ISO Certified	15	pc
49	Dry Cell, 1.5 V, size AA, ISO Certified	5	pc
50	Dry Cell, 9 V, ISO Certified	5	pc
51	Illustration Board, 15" x 20"	5	sht
52	Manila Paper, standard size	10	sht
53	Spoon, plastic, 100's/pack	1	pack
54	Tray, plastic, 30cm x 50cm	1	pc
55	Pins, utility, 100's/box	1	box
56	Rubber Band, small, 50 grams/box	1	box
57	Scissors, 8"	5	pair
58	Drinking Straws, single color, 100's/pack	1	pack
59	Sticky Tape, small size	5	roll
60	String, medium size	1	ball
61	Styropore Balls:		
	61.1) Ø 1" Styropore Ball	20	pc
	61.2) Ø 2" Styropore Ball	10	pc
	61.3) Ø 4" Styropore Ball	5	pc
62	Tag Board, standard	5	pc
63	Logic Gates Trainer Kit	5	unit
64	NSTIC-developed Mechanics Science Equipment		
	64.1) Cart-Rail System (includes Dynamic Carts, Motorized Cart, Rails, etc.)	5	set
	64.2) Free-Fall Apparatus (includes Solenoid, Pad Switch, Synchro Box, Timer)	5	set
	64.3) Hooke's Law Apparatus	5	set
	64.4) Friction Apparatus	5	set

LIST OF PHYSICS SCIENCE EQUIPMENT PER PUBLIC HIGH SCHOOL

Item No.	Item Description	Qty per School	Unit of Issue
64.5)	Lever Assembly	5	assy
64.6)	Pulley Set:		
64.6.1)	Double Pulley Assembly	10	assy
64.6.2)	Single Pulley Assembly	10	assy
64.7)	Spring Balances:		
64.7.1)	10-Newton Spring Balance Assembly	5	assy
64.7.2)	5-Newton Spring Balance Assembly	5	assy
64.7.3)	2-Newton Spring Balance Assembly	5	assy
64.8)	Utility Spring Sclae Assembly	5	assy
64.9)	C-Clamp with hook	10	pc
64.10)	Hooked Masses:		
64.10.1)	500-gram Hooked Mass	5	pc
64.10.2)	250-gram Hooked Mass	10	pc
64.10.3)	20-gram Hooked Mass	25	pc
64.11)	Case 001 (with Cover and Base Sheathing)	5	pc
64.12)	Case 002 (with Cover and Base Sheathing)	5	pc
64.13)	Case 003 (with Cover and Base Sheathing)	5	pc
64.14)	Accessories:		
64.14.1)	Modeling Clay	5	pc
64.14.2)	Dry Cell, size AA, ISO Certified	5	pc
64.14.3)	Dry Cell, size D, ISO Certified	5	pc
64.14.4)	String, thick	5	ball
64.14.5)	String, thin	5	ball
64.15)	Spare Parts:		
64.15.1)	Worm with Axle Assembly	5	assy
64.15.2)	Worm Gear A	10	pc
64.15.3)	Spur Gear B	10	pc
64.15.4)	Spur Gear C	5	pc
64.16)	User's Manual	1	pc
64.17)	Experiment Module	1	pc
65	Storage Cabinet (for Non-corrosive Materials)	3	-unit

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(Enclosure No. 2E to DepEd Order No. 52, s. 2010)

LIST OF MATH I EQUIPMENT FOR PUBLIC HIGH SCHOOL

Item No.	Name of Equipment/Instructional Material	Qty per School	Unit of Issue
I	EQUIPMENT:		
	1) Ruler, 30cm, millimeter graduations, plastic	50	PCS
	2) Meterstick, wooden	1	PC
	3) Tape Measure, 10 meters	10	PCS
	4) Trundle wheel, small (10cm/rev)	10	PCS
	5) Trundle wheel, big (1m/rev)	10	PCS
	6) Litre set (1/4, 1/2, 1/3, 2/3, 3/4, & 1 litre measuring cups)	10	SETS
	7) Litre set (Medicine Droppers, 1ml - 5ml)	10	SETS
	8) Utility kitchen/sprng scale, 1 kg cap.	1	PC
	9) Beam Balance, double platform, 2200-gram capacity	1	SET
	10) Spring Balance, 10-Newton	1	PC
	11) Clock Model (manipulative type)	10	PCS
	12) Sundial	1	PC
	13) Algebra Tile Set, plastic	10	SETS
	14) Model of $(x+y)^3$ , plastic cubes of 2 sizes	1	SET
	15) Protractor, semi-circular, 180°, Ø 150mm, plastic, student	50	PCS
	16) Blackboard Protractor, 360°, Ø 750mm, wooden	1	PC
	17) Simple Calculator	10	SETS
	18) Stopwatch, digital	10	SETS
	19) Scissors, 8"	50	PCS
	20) Dice, plastic	1	SET
II	GLASSWARE:		
	1) Thermometer, clinical type, 0°C - 50°C	50	PCS
	2) Hour glass	1	PC
III	CONSUMABLES:		
	1) Graphing Paper	1	REAM
	2) Manila paper	50	PCS
	3) Cartolina	50	PCS
IV	STORAGE FACILITIES:		
	1) Storage cabinet	1	UNIT

(Enclosure No. 2F to DepEd Order No. 52, s. 2010)

LIST OF MATH II EQUIPMENT FOR PUBLIC HIGH SCHOOL

Item No.	Name of Equipment/Instructional Material	Qty per School	Unit of Issue
I	EQUIPMENT:		
	1) Binomial Expansion Model (Pascal's Triangle)	1	PC
	2) Ruler, 30cm. millimeter graduations, plastic	50	PCS
	3) Meterstick, wooden	1	PC
	4) Graphing board, 1m x 1m	1	PC
	5) Dice, plastic	25	PCS
	6) Stopwatch, digital	1	PC
	7) Scientific Calculator	10	PCS
	8) Scissors, 8"	50	PCS
II	CONSUMABLES:		
	1) Graphing Paper	1	REAM
	2) Manila paper	50	PCS
	3) Cartolina	50	PCS
III	MULTIMEDIA:		
	1) DVD player with 21" TV monitor	1	SET
IV	STORAGE FACILITIES:		
	1) Storage cabinet	1	UNIT

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(Enclosure No. 2G to DepEd Order No. 52, s. 2010)

LIST OF MATH III EQUIPMENT FOR PUBLIC HIGH SCHOOL

Item No.	Name of Equipment/Instructional Material	Qty per School	Unit of Issue
I	EQUIPMENT:		
	1) Geoboard, square, 5cm x 5cm	25	PCS
	2) Geoboard, square, 10cm x 10cm	25	PCS
	3) Geoboard, circular, Ø 5cm	25	PCS
	4) Geoboard, circular, Ø 10cm	25	PCS
	5) Geostrips w/ rubberband (6 to 20 cm, 4 bundles/set)	10	SETS
	6) Model of cutout triangle, illustration board, assorted sizes	10	SETS
	7) Model of cutout triangle, plywood, assorted sizes	1	SET
	8) Model to show the altitude of Triangle, illustration board, assorted sizes	10	SETS
	9) Model to show the altitude of Triangle, plywood, assorted sizes	1	SET
	10) Model of angle sum theorem, illustration board, assorted sizes)	10	SETS
	11) Model of angle sum theorem, plywood, assorted sizes	1	SET
	12) Geometrical model set, 3 types of prism, assorted sizes	10	SETS
	13) Geometrical model set, 3 types of pyramid, assorted sizes	10	SETS
	14) Geometrical model set, 2 types of cone, assorted sizes	10	SETS
	15) Geometrical model set, 2 types of cylinder, assorted sizes	10	SETS
	16) Geometrical model of Sphere, assorted sizes	10	SETS
	17) Surface area (Geometrical set), collapsible, 3 types of prism, assorted sizes	10	SETS
	18) Surface area (Geometrical set), collapsible, 3 types of pyramid, assorted sizes	10	SETS
	19) Surface area (Geometrical set), collapsible, 3 types of cone, assorted sizes	10	SETS
	20) Surface area (Geometrical set), collapsible, 3 types of cylinder, assorted sizes	10	SETS
	21) Surface area (Geometrical set), collapsible, Sphere, assorted sizes	10	SETS
	22) Model of Rectangular area, assorted sizes	10	SETS
	23) Model of Circular area (demonstration model), assorted sizes	1	SET
	24) Model of Rectangular solid (compose of 1cm cubes)	10	SETS
	25) Model of Pyramid in a prism (volume of pyramid), assorted sizes	1	SET
	26) Model of cone in a cylinder (volume of cone), assorted sizes	1	SET
	27) Model of sphere in a cylinder ( vol. of sphere), assorted sizes	1	SET
	28) Model of triangle illustrating $c^2 = a^2 + b^2$	25	SETS
	29) Blackboard Compass, 600mm long, wooden	1	PC
	30) Compass, student, metal	50	PCS
	31) Blackboard protractor, 360°, Ø 750mm, wooden	1	PC
	32) Protractor, semi-circular, 180°, Ø 150mm, plastic, student	50	PCS
	33) Triangular Set, assorted sizes, for student use	10	SETS
	34) Ruler, 30cm, millimeter graduations, plastic	50	PCS
	35) Meterstick, wooden	1	PC
	36) Graphing board, 1m x 1m	1	PC
	37) Dice, plastic	25	PCS
	38) Stopwatch, digital	1	PC
	39) Scientific Calculator	10	PCS
	40) Scissors, 8"	50	PCS

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LIST OF MATH III EQUIPMENT FOR PUBLIC HIGH SCHOOL

Item No.	Name of Equipment/Instructional Material	Qty per School	Unit of Issue
ii	CONSUMABLES: 1) Graphing Paper 2) Manila paper 3) Cartolina	1 50 50	REAM PCS PCS
iii	STORAGE FACILITIES: 1) Storage cabinet	1	UNIT

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(Enclosure No. 2H to DepEd Order No. 52, s. 2010)

**LIST OF MATH IV EQUIPMENT FOR PUBLIC HIGH SCHOOL**

Item No.	Name of Equipment/Instructional Material	Qty per School	Unit of Issue
I	EQUIPMENT:		
	projectable	1	PCS
	projectable	4	PCS
	long	1	PC
	4) Compass, student, metal	50	PCS
	wooden	1	PC
	plastic, student	50	PCS
	use	10	SETS
	plastic	50	PCS
	9) Meterstick, wooden	1	PC
	10) Graphing board, 1m x 1m	1	PC
	11) Dice, plastic	25	PCS
	12) Stopwatch,digital	1	PC
II	CONSUMABLES:		
	1) Graphing Paper	1	REAM
III	MULTIMEDIA:		
	projector	1	SET
	2) Projector Screen	1	UNIT
IV	STORAGE FACILITIES:		
	1) Storage Cabinet	1	UNIT

