

**Coordinated Science for the 21st Century
Teacher Demonstration Items-1 Per Classroom**

Part No.	Description	Qty	Used In Chapter
EL-4181	Electronic Scale	1	6, 7, 8, 15
PR-0116	Glass Prism	1	11
LM-0112	Light Meter	1	5, 11
SH-7708	Skateboard	1	1
SS-0491	Scale, Bathroom	1	1
PH-6814	Digital Photogate	1	1
BS-7602	DC Source, High Current	1	4
GH-0002	Tangent Galvanometer	1	4
WS-7612	Wire, Insulated Copper For Tangent Galvanometer	1	4
CT-0006	5' Copper Tube For Cow Magnet	1	4
HS-7617	1 3/4" Buret Clamp (Use To Support Copper Tube)	1	4
MS-0061	Magnet, Cow	1	4
AC-7600	AC/DC Demonstration Generator	1	4
RH-2401	Ripple Tank With Accessories	1	3, 5
PS-6200	Spectrum Tube Power Supply	1	7
PS-6201	Hydrogen Spectrum Tube	1	7
HS-0001	Helium Spectrum Tube	1	7
NS-0001	Neon Spectrum Tube	1	7
	Teacher Demonstration Package		

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Global Kit

Part	Description	Qty	Used In Chapter
22-2000	40-W Bulb and Socket, Ceramic w/Switch	1	3, 11, 12, 13
AL-0025	Aluminum Foil Roll	1	6, 7, 13
BH-6600	Heavy Ball-4 Setups	1	2, 13
BK-0050	Beaker, 50 mL	2	6, 7
BK-0100	Beaker, 100 mL	8	7, 8
BK-0250	Beaker, 250 mL	2	6, 8
BK-1000	Beaker, 1000 mL	1	8, 14
BS-0600	600 mL Beaker	2	8, 13, 14
BS-1596	Battery, D-Cell	2	2, 11
BS-1599	Battery 9 Volt	3	5, 6, 7, 11
BS-1606	Battery Clip With Solid Leads For 9 Volt Battery	3	5, 6, 7
CG-0050	Cylinder, Graduated 50 mL	1	13, 15
CL-6002	Alligator Clips Leads	4	2, 6, 7
CO-0006	Corn Syrup	1	6, 15
CO-0015	Copper Piece 5 x7 Sheet	1	6, 8
CP-5000	Blue Colored Pencil	1	11, 12
CP-6081	Compass	2	4, 5
CP-7000	Black Colored Pencil	1	11, 12
CS-0024	Cylinder, Plastic 100 mL	1	6, 8
CS-3246	Clamp, C-Clamp	1	1, 3
CS-5011	Unlined Index Cards	200	2, 3
DU-0026	Roll of Duct Tape	1	2, 12
FC-0004	Food Coloring (Red, Blue, Green & Yellow)	1	6, 12
FI-1200	Filter Paper, 7CM, PK/100	1	6, 7
FU-1001	Funnel Set	3	6, 7
FU-1262	Funnel Support	1	6, 7
GC-0001	Dynamics Cart-Frictionless PASCO GoCar	2	1, 2
GS-7706	Graph Paper Pad of 50 Sheets	1	1, 2, 5
GS-7706	Graph Paper, PK/50	1	ALL
HA-0120	Small Hammer	1	1, 6, 10
HO-0002	Right Angle Clamp (To Replace Crossarm)	1	2.00
HO-1600	Horseshoe Magnet	1	5, 7
HS-5630	Hot Plate, Electric	1	6, 8
HS-7617	Burette Clamp	2	9, 13
LE-0090	LED, 20 MM Superbright	2	6, 7
LP-0002	Laser Pointer	1	3, 5, 6
LS-5004	Lens, Hand, 3 x 6x	1	13, 14
LS-6044	Liquid Soap	1	8, 14
LS-6959	Miniature Bulb, Light	3	2, 4

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Global Kit

Part	Description	Qty	Used In Chapter
LS-6960	Bulb Base for Miniature Screwbase	1	2, 4
MC-5418	Modeling Clay	7	1, 2, 10, 12, 13, 14
MS-0354	Bar Magnet Large	1	4, 5
MS-1425	Felt Tip Marker	1	1, 3, 5
NS-7613	Nail, 16 d.	1	4, 6
PH-0115	Ph Strips W/Color Chart, Range 1-14, Vial 100	1	8, 13
PE-5600	Plastic Petri Dish	6	9, 10
PS-5712	Plastic Shoe Box	1	13, 14
RE-0090	Resistor, 47 OHM	2	6, 7
RG-0100	Disposable Rubber Gloves	8	6, 7, 8
RH-6132	Stirring Rod	1	6, 8
RS-2826	Ruler, Metric, mm Marking	1	ALL
SA-0016	Salt	1	6, 8
SC-1010	Scoopula	1	7, 8
SD-1112	Small Shallow Dish	1	9, 12
SH-3639	Heavy Duty Slinky	1	3, 5
SH-7212	Ringstand	2	2, 6, 7, 8, 13
SM-1676	Stick, Meter, 100 cm, Hardwood	4	ALL
SP-0026	Spectroscope	1	7, 11
SP-6212	Aluminum Pie Pan	7	6, 8, 14
SR-6736	Starting Ramp For Lab Cart	1	2.00
SS-1281	Scissors	1	ALL
SS-2303	Spring Scale, 0-10 Newton Range	1	1, 2
SS-2393	Steel Wool Pad	2	6, 7
SS-6078	Sandpaper	4	4, 6
SS-6113	Drinking Straw, Each	30	3, 4, 8
SS-7722	Ball Of String, 225 ft.	1	1, 3, 6
SS-7779	Stopwatch	2	2, 5, 6, 8, 13
ST-0002	3/8" x 12" Aluminum Rod (To Replace Crossarm)	1	2.00
SU-1000	Sugar	1	6, 8
TS-2662	Masking Tape	2	ALL
TS-3602	Thermometer	2	6, 8, 9, 12, 13
TT-6100	Ticker Tape Timer	1	1, 2
TT-6200	Test Tube Rack	1	7, 8
TW-5010	Tweezers	2	9, 10
WO-0500	Wood Splints, Box 500	1	6, 8
WS-7546	Plastic Wrap	1	9, 13
ZI-0015	Zinc Piece 12" x 12" Sheet	1	6, 8
ZZ-0066	Storage Containers	2	
	Global Kit		
	Please note items in yellow are consumable.		

Coordinated Science for the 21st Century

Chapter 1: Physics In Action

Part	Description	Qty	Activity
AH-9250	Accelerometer-To-Cart Assembly	1	9
AH-9252	Accelerometer, Cork	1	9
BS-0787	Super Ball, 1" Diameter	1	1
BS-1400	Ball, Golf	1	2, 7, 9
BS-5850	Bowl, Salad, L. Diameter, 10" Plastic	1	1
BS-6423	Practice Golf Ball	1	2, 7
BS-7203	Bocci Balls	3	7
BS-7208	Marble Ball	1	7
BS-7209	Steel Ball	1	7
DS-7201	Dots, Adhesive, 3/4"	28	3
NB-0004	Nerf Ball To Match The Size Of Bocci Balls This Replaces The Soccer Ball)	1	7
PM-0220	Plumb Bob W/String	1	3
RS-2723	Flexible Ruler	1	2, 9
RS-4462	Track W/Adjustable Outrun Slope	1	1
RS-7211	Starting Ramp For Bocci Ball	2	7
SS-2304	Spring Scale, 0-20 Newton Range	1	6
SS-7209	Rough Horizontal Surface, 6 x 36"	1	6
SS-7210	Set of Shapes, A,B,C,D (2-D Shapes)	1	3
WS-0376	Weight, 100 g Mass	10	5, 6, 8
ZZ-0066	Storage Containers	1	
Chapter 1 Kit			
Please note items in yellow are consumable.			
Items Needed Not Supplied			
	Chair With Wheels	1	5, 9
	Safety Helmet	1	5
	Knee Pads	1	5
	Elbow pads	1	5
	Shoe	1	6
	Smooth surface (desk top, tile)	1	6
	Stack of books	1	5
	VCR & Monitor	1	4
	Sports Content Video	1	4
	Penny	1	5

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Chapter 2: Safety

Part	Description	Qty	Activity
BH-6068	Single Battery Holder, D-Cell	1	1
CB-1060	Inflatable Clear Bag	1	6
CO-0012	Cork Piece (Part of Cushion Set)	6	9
TA-0016	Double Sided Tape (Part of Cushion Set)	6	9
VE-0012	Velcro Piece (Part of Cushion Set)	6	9
RS-6719	Ribbon, Various Widths	3	9
CA-0012	12" x 12" Carpet Piece	1	6
CS-6065	12" x 12" Cardboard Piece	1	6
PS-7724	12" x 12" Foam Pad	1	6
SS-9019	Switch, Spst.	2	1
WS-6731	#22 Wire, 1ft., Bare Copper	1	5
WS-6732	Wood Piece, 1 x 2 x 2"	1	8
WS-6733	Wood Piece, 1 x 3 x 10"	1	8
WS-6734	Wood Piece, 2 x 4" x 1'	1	8
ZZ-0066	Storage Containers	1	
Chapter 2 Kit			
Please note items in yellow are consumable.			
Items Needed Not Supplied			
		Qty	Activity
	Computer with sonic ranger	2, 9	1
	Concrete block or similar barrier	4, 5, 6	
	VCR & TV monitor	5	1
	VCR having single frame advance mode	6	1
	Force Probe	9	1

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Chapter 3: Let Us Entertain You

Part	Description	Qty	Activity
AC-2279	Acrylic Block	1	6
AS-6105	Acetate Sheet, 8 cm Square	1	7
BS-1608	AA Battery	2	7
BS-5903	Bulb, Clear 100 Watt	1	7
BU-0001	Bulb, 25-Watt White	1	8
BU-0002	Bulb, 25-Watt Green	1	8
BU-0003	Bulb, 25-Watt Blue	1	8
BU-0004	Bulb, 25-Watt Red	1	8
CB-1414	Cardboard Sheet, 14" x 14"	1	4, 5, 6, 8
CS-6120	Curved Cardboard	1	5
FL-0030	Fishing Line Spool	1	2
LS-1001	Lens, Convex Focal Point 10 cm	2	7
LS-4119	Stand for Clip-on Lamp	3	8
LS-6600	Light Source for Optical Bench Apparatus	1	7
LS-9000	Lamp, Clip-On w/Shade	3	8
MS-2114	Mirror, Planes	2	4
MS-6127	Mylar Sheet, 6 x 6	1	5
RH-6131	Rod, Glass	1	4, 5, 6
PH-3070	Pulley on Mount	1	2
PR-0001	Right Angle Prism	1	4, 5, 6
SS-6133	Support for Mirrors	2	
SS-6135	Screen, White	1	7, 8
TS-0337	Test Tube	5	3
WH-0500	Hooked Mass Weight, 500 Grams	2	2
WS-6136	Wood Block to Raise Light Source	3	8
ZZ-0066	Storage Containers	1	
Chapter 3 Kit			
Please note items in yellow are consumable.			
Items Needed Not Supplied			
	Pencil	1	2
	Key or other small metal object	1	2
	Water, about 300 cc in a container	1	3
	Various Wind Instruments	1	3
	Sound probe and software	1	3
	Small amount of play sand	1	3
	Oscilloscope	1	3
	Cosmetics Mirror	1	6
	Overhead Projector	1	7
	File cards one with an arrow shaped opening	1	

Coordinated Science for the 21st Century
Chapter 4: Toys For Understanding

Part	Description	Qty	Activity
CS-6047	Cup, Styrofoam	1	5
GH-0001	Galvanometer, 0-500 ma.	1	3
GH-7704	DC Generator, Hand-Operated W/Wire Leads	1	2
MS-0090	Magnet, Small Bar	1	5, 6
MW-2460	#24 Magnet Wire, 60 FT	1	2, 3, 5, 6
PA-7614	Clips, Paper, Small	10	3
PS-7620	Safety Pins, Large	2	5
TS-5000	Test Tube, Plastic, 2 x 10 cm	1	3
TS-7601	Tube, Cardboard, 1 x 4	1	3
ZZ-0027	Storage Containers	1	
	Chapter 4 Kit		
	Please note items in yellow are consumable.		

Coordinated Science for the 21st Century
Chapter 5: Patterns and Predictions

Part	Description	Qty	Activity
AS-1404	Amplified Speaker	2	4
BH-9201	Buzzer	1	8
BS-8200	Ball, Nerf 6"	1	8
IR-1266	Iron Filings, LB	1	1
MS-1053	Metal Objects: Magnetic & Non-Mag. Pkg.	1	1
TS-6045	Tape Recorder	1	8
YS-7724	Yarn, Colored, FT	1	3
ZZ-0027	Storage Containers	1	
	Chapter 5 Kit		
	Please note items in yellow are consumable.		
	Items Needed Not Supplied	Qty	Activity
	Chalkboard	1	2
	Projector	1	2
	Piece of chalk	1	2
	Computer	1	3
	Slinky Polarizer	1	
	Roll Of Butcher Paper	1	5
	Graphing Calculator	1	8
	Michelson interferometer and laser	1	8
	Oscillator and stereo amplifier	1	8
	Chair With Wheels	1	7

Coordinated Science for the 21st Century
Chapter 6: Movie Special Effects

Part	Description	Qty	Investigation
	Durable Kit		
TS-0338	Small Test Tube 13m x 100m	2	1, 2C
RU-0001	Rubber Stopper W/Hole-Size 00	2	1, 2C, 5
EL-5662	Electrolysis Apparatus	1	1
RU-0000	Rubber Stopper W/No Hole - Size 00	2	1
GL-0012	30CM Acrylic Tubing For Rubber Stopper	2	1, 2C, 5
PI-0015	Pipeclay Triangle	1	1
RI-1025	2 1/2" Cast Iron Support Ring	1	1
TS-0400	Large Test Tubes	6	3
RU-0003	Large Rubber Stopper W/No Hole - Size 2	6	3
CU-0016	1 Cup Measuring Cup	1	4
MS-0006	Measuring Spoon Set	1	4
BS-7209	Steel Ball	3	5B
BS-7212	Aluminum Ball	3	5B
WS-6732	Wood Piece 1" x 2" x 2"	2	6
GL-0012-MIE	Glass Plate 1" x 2"	2	6
TO-1600	Tongs Rubber Coated	2	6, 8
ZZ-0066	Storage Containers	1	
	Chapter 6 Durable Kit		
Part	Description	Qty	Investigation
	Consumable Kit		
AL-0019	Aluminum Piece 4" x 6" Sheet	1	6
CA-1200	Candle	2	9
CH-1010	Charcoal Briquette	2	6
FL-0007	Flour, LB	5	4
GR-0005	Gravel, LB	1	5A
OI-1000	Olive Oil	1	3
OI-6200	Vegetable Oil-108 tbsp	1	4
SA-0005	Sand, Fine LB	2	4
SO-0030	Soil, LB	1	3
TS-5012	Tongue Depressors (To be used as stirring)	50	7
	Chapter 6 Consumable Kit		

Coordinated Science for the 21st Century
Chapter 6: Movie Special Effects

	Items Needed Not Supplied	Qty	Investigation
	Rubberized Cloth Aprons		
	Safety Goggles		
	Safety Shield	1	1
	Emptied Egg	1	1
	Video Camera W/Blank Tape (Optional)	1	1
	Sodium Sulfate	100 mL	1
	Mossy Zinc	100 mL	1
	6M HCL	100 mL	1
	Crushed Ice	1/2 lbs	2
	Dry Ice	1/2 lbs	2 D
	Labels For Test Tubes	36	3
	Milk	1/2 Cup	3
	CuSO ₄ (Copper Sulfate)	100 g	3
	Tissue Paper	4 g	3
	Cream Of Tartar	1/2 lbs	4
	Glycerin	12 TBSP	4
	Ethanol	100 mL	5A, 5C
	Distilled Water	100 mL	5C
	2 Liter Clear Soda Bottle	2	5
	Chalk Pieces	1 Box	6
	Piece Of Plastic 8 x16	2	6
	Pieces of Concrete	2	6
	Brass Metal Strips	2	6
	Solder Strips	2	6
	Lump Of Sulfur	1	6
	Bunsen Burner	1	6, 8
	Tin Pieces	1	6
	Paper Clips	16	6
	PVA Solution	300 mL	7
	Sodium Tetraborate (Borax)	100 mL	7
	Roll Of Paper Towels	1	7
	Acetone To Dry Funnel In Fume Hood	1	7
	Ketchup	1	7
	Lithium Chloride Solution	10 mL	8
	Sodium Chloride Solution	10 mL	8
	Potassium Chloride	10 mL	8
	Strontium Chloride Solution	10 mL	8
	Calcium Chloride Solution	10 mL	8
	Barium Chloride Solution	10 mL	8
	Disposable Container For Wood Splints	1	8
	Orange Peel Cut Into 1" x 1" Pieces	1 Orange	9

Coordinated Science for the 21st Century
Chapter 7: The Periodic Table

Part	Description	Qty	Investigation
	Durable Kit		
BA-0001	Glass Baby Food Jar W/Cap	8	2
NS-5918	Nails, 12 d-Conductivity Test	2	2
TS-0338	Small Test Tubes 13m x 100m	8	2
CT-0032	Reusable Containers for Measurements	8	3
ZZ-0027	Storage Containers	1	
	Chapter 7 Durable Kit		
	Items Needed Not Supplied	Qty	Investigation
	Rubberized Cloth Aprons	4	
	Safety Goggles	4	
	Magnesium	5 g	2
	Aluminum	5 g	2
	Iron	5 g	2
	Copper	5 g	
	Zinc	5 g	2
	Silicon	5 g	2
	Sulfur	5 g	2
	Iodine	5 g	2
	1 M CCL	100 mL	2
	Copper Chloride	2 g	3
	Cathode Ray Tube	1	4
	Colored Paper	1 Set	5
	Transparent Tape	1 Roll	9

Coordinated Science for the 21st Century
Chapter 8: Cool Chemistry Show

Part	Description	Qty	Investigation
	Durable Kit		
BO-0004	4 oz Glass Bottle W/Dropper	20	1
BO-0006	4 oz Glass Amber Bottle W/Dropper	1	1
SP-0002	Spot Plate	2	1, 2, 3, 7, 8
ED-1161	Eyedropper W/Rubber Top	1	1
ER-1222	250 mL Erlenmeyer Flask	1	1, 5
RS-0008	#8 Rubber Stopper For Flask	1	1
TS-0338	Small Test Tubes 13m x 100m	28	3, 4, 5, 6
RU-0000	Rubber Stopper W/No Hole-Size 00	1	3, 8
WP-1060	Wood Piece, 1" x 6" x 8"	1	5
TS-0400	Large Test Tubes	3	6
RU-0003	Large Rubber Stopper W/No Hole - Size 2	3	6
TT-6135	Test Tube Clamp	1	6
ER-1200	125 mL Erlenmeyer Flask	4	7
ZZ-0066	Storage Containers	1	
	Chapter 8 Durable Kit		
Part	Description	Qty	Investigation
	Consumable Kit		
AS-0014	Alka Seltzer Tablets	6	3, 6
BA-0016	Baking Soda	1	1, 2, 3, 7
BA-0017	Baking Powder	1	3
ZB-0810	8 x 10 Ziploc Bag (Quart Size)	18	2, 5
DD-0016	Disposable Diaper	3	1
HY-6226	Hydrogen Peroxide	1	6
LI-1000	Light Sticks	3	6
LP-1000	Blue Litmus Paper Vial Of 100	1	7
LP-2000	Red Litmus Paper Vial Of 100	1	7
PW-0001	Paraffin Wax	1/4 LB	1
ST-0016	Box Of Starch	1	1
TE-0024	Tea Bags	6	6
VI-0016	Vinegar	1	1, 2, 3, 6, 7
	Chapter 8 Consumable Kit		

Coordinated Science for the 21st Century
Chapter 8: Cool Chemistry Show

Items Needed Not Supplied	Qty	Investigation
Rubberized Cloth Aprons		
Safety Goggles		
Bunsen Burner		1
Ice Cubes	2	1
Milk	1/4 Quart	1, 7
Lemon Juice	Small Bottle	1, 7
Access To Water		1, 5
Iodine Solution	100 mL	1
0.1M HCL	1L	1, 2, 6, 7
Phenolphthalein Indicator Solution	100 mL	1, 3, 4, 7
0.1M NaOH Solution	1L	1, 2, 4, 7
0.1M Na ₂ CO ₃ Solution	100 mL	1, 2
0.1M NaHSO ₄ Solution	1L	1, 2
0.1M CuSO ₄ Solution	1L	1, 2, 4
Household Ammonia	Small Bottle	1, 3, 7
Chalk	1	1
Throwaway Glass Jar	1	1
Sodium Acetate Solution	200 g	1
Sodium Acetate Crystals	4 g	1
Sodium Silicate Solution (Water Glass Solution)	100 mL	1
Cobalt Chloride Crystals	10 g	1
Copper (II) Chloride Crystals	10 g	1
Nickel Chloride Crystals	10 g	1
Iron (III) Chloride Crystals	10 g	1
Manganese Chloride Crystals	10 g	1
0.1 M Ba(NO ₃) ₂ Solution	100 mL	2
0.1 M NaHCO ₃ Solution	100 mL	2
0.1 M KI Solution	100 mL	2, 4
0.1 M AgNO ₃ Solution	100 mL	2, 4
0.1M Fe(NO ₃) ₃ Solution	100 mL	2
Calcium Chloride	1000 g	2, 5
Phenol Red Indicator Solution	100 mL	2
Saturated Solution Of Ca(OH) ₂	100 mL	2, 7
Zinc Oxide (Anhydrous)	30 g	2
0.1M Magnesium Sulfate Solution	100 mL	3, 4
1M Magnesium Sulfate Solution	100 mL	3, 4
2M Ammonium Hydroxide Solution	300 mL	3, 4
1M Copper (II) Sulfate Solution	100 mL	3, 4
0.1M Potassium Carbonate	100 mL	4
1M Silver Nitrate Solution	100 mL	4
0.1M Iron (III) Chloride	100 mL	4
Ammonium Nitrate	100 mL	5
Calcium Chloride or Sodium Carbonate	120 g	5
Ammonium Thiocyanate	100 g	5
Barium Hydroxide	200 g	5

Coordinated Science for the 21st Century
Chapter 8: Cool Chemistry Show

	Items Needed Not Supplied	Qty	Investigation
	Sodium Hydroxide Pellets	100 g	5
	Plastic Soda Bottles	1	5
	Crushed Ice	300 g	5
	Sodium Chloride (This can be tech level)	200 g	5
	Sodium Thiosulfate Pentahydrate	1000 g	5
	Pint Size Zip Lock Bags	12	5
	Magnesium Ribbon	50 CM	6, 7
	Manganese Dioxide	12 g	6
	Access To Hot Water		6
	Access To Ice Water		6
	0.1M Potassium Iodate (KIO ₃)	500 mL	6
	.25 M Sodium Hydrogen Sulfite (NaHSO ₃)	100 mL	6
	Carbonated Drink-Sprite or Seven Up	1 Can	7
	Mineral Water	1 Bottle	7
	Milk Of Magnesia	1 Bottle	7
	Apple Juice	1 Bottle	7
	1M H ₂ SO ₄ Sulfuric Acid Solution	100 mL	7
	1M KOH Potassium Hydroxide Solution	100 mL	7
	Glass Cleaner W/Ammonia & Spray Attachment	1 Bottle	7
	50mL Burette W/Teflon Stopcock	1	7
	Distilled Water	300 mL	7
	0.1M Acetic Acid Solution	1900 mL	7
	Head Of Red Cabbage	1	7
	1M CuSO ₄ Solution	1L	8
	Zinc Powder	100 g	8
	1M Cu(NO ₃) ₂ Solution	1L	8
	1M Al(NO ₃) ₃ Solution	1L	8

Coordinated Science for the 21st Century
Chapter 9: A Vote For Ecology

Part	Description	Qty	Activity
	Durable Kit		
BP-0002	Beral Pipette	6	1, 7
PB-0002	Paintbrush	2	1
SL-0002	Slide of Hydra	1	1
SL-0003	Slide Of Planaria	1	1
SL-0004	Slide Of Earthworm	1	1
TU-0039	5/8" x 40" Tubing	1	7
BA-0001	Glass Baby Food Jar	3	8
SP-0008	Spray Bottle	1	
ZZ-0027	Storage Containers	1	
	Chapter 9 Durable Kit		
Part	Description	Qty	Activity
	Consumable Kit		
SO-0030	Soil	2	5
CS-0080	Cress Seeds	1	5
RS-0002	Radish Seeds	1	5
RA-0016	Rubbing Alcohol	1	8
VA-0016	Vaseline	1	8
QT-0001	Swab Applicators	1	8
LF-0000	Lawn Fertilizer	1	9
DD-0000	Detergent	1	9
CM-0007	China Marker	1	9
	Chapter 9 Consumable Kit		
	Items Needed Not Supplied	Qty	Activity
	Compound Microscope	1	1
	Lugols Iodine Solution	1	8
	Branch Of Coleus or Zebrina	1	7
	4" Potted Plants	2	8
	Aquarium	1	1
	Live Frog	1	1
	Live Hermit Crab	1	1
	Daphnia Culture	1	
	Live Hydra	1	1
	Live Planaria	1	1
	Histoclear	1	8
	Distilled Water	2.25 L	9
	Pond Water	30 mL	9
	Paper Towels	1 Roll	7, 8, 9

Coordinated Science for the 21st Century
Chapter 10: A Highway Through The Past

Part	Description	Qty	Activity
	Durable Kit		
CL-0002	Small Clam Shells	3	4
PL-0060	Circular Plastic Container	2	4
GG-1000	Low Temperature Glue Gun	1	4
BP-4444	Brachiopod Fossil Set	1	4
ZZ-0027	Storage Containers	1	4
	Chapter 10 Durable Kit		
Part	Description	Qty	
	Consumable Kit		
TS-0080	Albino Tobacco Seed Packets	2	4
PL-0052	Plaster Of Paris, LB	2	4
VA-0016	Vaseline	1	4
CO-1000	Confetti	1	4
PS-7708	Paper Plate	2	4
GS-0010	Glue Gun Stick	2	4
MS-0014	Mustard Seed Packet	1	4
	Chapter 10 Consumable Kit		
	Items Needed Not Supplied	Qty	
	Coins	5	1
	Black Trash Bags		2
	Newspaper	1	3
	1/2" Squares of Newspaper	50	3
	1/2" Squares of White Paper	50	3
	1/2" Squares of Red Paper	50	3
	Small Rolling Pin	1	4

Coordinated Science for the 21st Century
Chapter 11: Astronomy and Your Community

Part	Description	Qty	Activity
	Durable Kit		
CM-1108	Calculator	1	1, 3, 4, 5
TA-0025	Windup Tape Measure-30 m	1	1
FL-0132	Flashlight	1	2
CB-0912	Cardboard, 9" x 12"	1	3
BO-5064	Heavy Duty Flip-Top Storage Container	1	
	Chapter 11 Durable Kit		
Part	Description	Qty	Activity
	Consumable Kit		
BU-0040	40-Watt Frosted Bulb	1	7
BU-0060	60-Watt Frosted Bulb	1	7
BU-0100	100-Watt Frosted Bulb	1	7
CP-1000	Red Colored Pencil	1	6B
CP-2000	Orange Colored Pencil	1	6B
CP-3000	Yellow Colored Pencil	1	6B
CP-4000	Green Colored Pencil	1	6B
PE-0016	Pencils	1	
PP-6128	Pushpin	10	
ST-0007	Styrofoam Ball	2	2A
	Chapter 11 Consumable Kit		
	Items Needed Not Supplied	Qty	Activity
	Rulers	7	1, 3, 4, 6
	Lunar Chart Blackline Master in TE	42	2
	Graph Paper Blackline Master in TE	168	2, 5, 7
	Blank HR Diagram	42	7B
	Blank HR Diagram w/Star Categories Blackline Master in TE	42	7B

Coordinated Science for the 21st Century
Chapter 12: Climate Change and Your Community

Part	Description	Qty	Activity
	Durable Kit		
PV-0006	1/2" x 6 Copper Tube	1	2
DO-1662	1/2" x 8 Dowels	1	2
CM-5997	Compass	1	3
PM-0521	Protractor	1	3
TS-3606	Small Thermometer	1	3
VC-0120	120-Volt Heat Lamp Assembly For Heat Lamp W/Shield	1	3
LS-4119	Wood Lampstand	1	3
RO-0086	Rope, ft.	13	3
DO-0056	Dowels, 3 ft	2	3
CK-0808	8" Circular Cake Pan	1	4
BO-5064	Heavy Duty Flip-Top Storage Container	1	
	Chapter 12 Durable Kit		
Part	Description	Qty	Activity
	Consumable Kit		
BU-0100	100-Watt Frosted Bulb	1	
CP-1000	Red Colored Pencil	1	3A, 3C
HL-0250	250-Watt Reflective Heat Lamp	1	3
PB-0007	Poster Board, 23" x 29"	7	6
PM-0007	Permanent Black Marker	1	3B
SS-6135	Poster Board, 11" x 14"	1	3E
WP-0250	Wax Paper Roll	1	2B
	Chapter 12 Consumable Kit		
	Items Needed Not Supplied	Qty	Activity
	Topographic Map Of Local Area	1	1
	Topographic Map Of Different Area	1	1
	Rock	1	1C
	Soil Samples	1	1C
	Tree Ring Photos Blackline Master In TE	1	2A
	Rolling Pin (Optional)	1	2B
	Rulers	1	2, 3, 5
	World Globe	1	3B
	Blue Ice Cubes	1	4
	Continental Configuration Blackline Master In TE	1	4
	Ice Core Data Graph Blackline Master In TE	1	5B
	Graph Paper Blackline Master In TE		5

Coordinated Science for the 21st Century
Chapter 13: Energy Resources and Your Community

Part	Description	Qty	Activity
	Durable Kit		
CS-7716	Pint Aluminum Can-4 Setups	1	1
TS-3606	Small Thermometer To Fit Inside Solar Cooker	2	1
SS-6206	Platform Spring Scale-4 Setups	1	1
CO-0004	Four Types Of Coal For Observation-Lignite, Anthracite, Bituminous and Peat (Packaged In Seven)	1	3
PM-0521	Protractor	1	7
CB-0505	5" x 5" Cardboard Piece W/Hole	7	7
TU-0015	1/8" Id x 1 ft. Flexible Plastic Tubing (Cut Into 15 Ft Sections)	15	8A
BO-1496	15" x 12" Corrugated Cardboard Box Painted Black	1	8A
CL-0026	Tubing Clamps To Halt Flow of Water	1	8A
ST-0022	Small Styrofoam Cooler	1	8A
BU-0006	Siphoning Bulb	1	8A
DO-0012	Wooden Dowels, 1/4" x 10"	3	8B
WP-1010	Wood Piece, 1/2" x 10" x 10" With 1/4" Drilled Hole	1	8B
BO-5064	Heavy Duty Flip-Top Storage Container	1	
	Chapter 13 Durable Kit		

Coordinated Science for the 21st Century
Chapter 13: Energy Resources and Your Community

Part	Description	Qty	Activity
	Consumable Kit		
CH-0012	Fine Cheesecloth-	1	7B
CO-0007	Four Types of Coal-Ignitable, 1 Sample Each	1	3
CP-6020	Black Construction Paper -Pack of 50	1	1
CS-6047	12 oz. Styrofoam Cup	2	1
CS-6204	5 oz. Paper Cups	6	8B
CS-6901	16 oz. Solo Cups-Used to Put Bottles in to Drain Overnight	7	
GL-1146	Glue Stick	1	1
GR-0002	Crushed Granite, 1/2 lb. (Gravel Size)	7	5, 7
LI-0006	Crushed Limestone, 1/2 lb. (Gravel Size)	1	5
OI-6210	Vegetable Oil-1 gal	1	7A
PI-0096	Medium Pizza Box, 10" x 10"	2	1
PI-0099	Large Pizza Box, 14" x 14"	1	1
SA-0010	Sand, Coarse - 1 lb.	3	7C
SA-0005	Sand, Fine - 1 lb.	6	7C
SI-0015	Silt - 1 lb.	2	7C
TS-0350	Electrical Tape Roll	1	7B
	Chapter 13 Consumable Kit		
	Items Needed Not Supplied	Qty	Activity
	Newspaper Used In Solar Cooker		1
	Strips Of Cardboard To Line Solar Cooker		1
	Safety Goggles	4	3, 7
	Bunsen Burner	1	3
	Geographical Map Of Area	1	3
	Crushed Samples Of Rock (Gravel Size) From Community		5
	Diluted Sulfuric Acid Solution Instructions in TE	1	5
	16 Oz Clear Plastic Bottle W/Cap & Bottom Removed	7	7A, 7C
	16 Oz Clear Plastic Bottle W/Cap	1	7D

Coordinated Science for the 21st Century
Chapter 14: Volcanoes and Your Community

Part	Description	Qty	Activity
	Durable Kit		
MS-5514	Map, "This Dynamic Planet"	1	2
CC-6006	Clear Clipboard	1	2
ED-1161	Eyedroppers w/Rubber Tops - 1 mL vol	1	3
TB-0024	Tubing, Rubber, FT	2	5
DS-6067	12 qt. Plastic Dishpan	1	5
RS-4054	Igneous Rock Sample Set to Include: Scoria, Andesite, Rhyolite, Dacite, Basalt, Obsidian and Pumice	1	6
BO-5064	Heavy Duty Flip-Top Storage Container	1	
	Chapter 14 Durable Kit		
Part	Description	Qty	Activity
	Consumable Kit		
CP-6024	9x12 Construction Paper 50 Sheets	1	
OM-6030-BK	Overhead Markers	1	2
	Chapter 14 Consumable Kit		

Coordinated Science for the 21st Century
Chapter 15: Plate Tectonics and Your Community

Part	Description	Qty	Activity
	Durable Kit		
WP-0026	1" x 2" x 6" Wood Piece	1	2A, 2C, 2D
WP-0008	5/8" x 8" Dowels	21	2A, 2C, 2D
WP-0010	Measurement Paper w/ 1" x 2" x 6" Stapled	1	2A, 2C, 2D
CG-0250-P	Cylinder, Plastic 250 mL Graduated	1	3
RT-0033	Rectangular Tub	1	3
PP-0612	6" x 12" Piece of Plastic	1	3
RS-4053	Rock Sample Set to Include Granite, Basalt and Sandstone	1	3
JS-6220	8 oz. Clear Glass Jar W/Cap	1	4
WP-0128	1" x 2" x 8" Piece Wood	1	4
WP-0268	2" x 6" x 8" Piece of Wood	1	4
PP-0816	8" x 16" Piece of Plastic	1	4
KS-2814	Utility Knife	1	4
BO-5064	Heavy Duty Flip-Top Storage Container	1	
	Chapter 15 Durable Kit		
Part	Description	Qty	Activity
	Consumable Kit		
BS-6214	Balsa Wood Pieces/Cork Pieces	3	3
CS-6204	Cup, Paper, 5 oz.	5	3
MS-6218	Molasses/Honey, Bottle	1	3
MS-6230	Map Copies to Reconstruct the Continents, Set of 4	4	1
OI-6200	Oil, Vegetable, Bottle	1	3, 4
PB-6222	Peanut Butter, Jar	1	4
PS-0070	Plastic Spoon	1	3
	Chapter 15 Consumable Kit		