

FINAL REPORT

from

UNATTACHED EQUIPMENT COMMITTEE

Presented to:

JOINT COMMITTEE ON EDUCATIONAL
FACILITIES

November 30, 2004

INTRODUCTION

In June of 2004 the Joint Committee on Educational Facilities (JCEF) commissioned a committee to prepare a list of the unattached equipment items needed for Arkansas educators to provide the necessary services for the students in the State to receive an equitable and adequate education. The Unattached Equipment Committee consists of approximately seventy Arkansas educators. Representatives from the Curriculum Unit of the Arkansas Department of Education (ADE), Arkansas Department of Workforce Education (ADWE), public school administrators, media specialists, counselors and teachers comprised the committee.

In the development of the report the first item to be addressed was to define *unattached equipment*. In order to be consistent with established guidelines, the definition of equipment used by the committee was the same definition used by the school districts when reporting information to the ADE through the Arkansas Public School Computer Network (APSCN).

The APSCN Financial Accounting Manual, Handbook II, Revised defines equipment as:

“An equipment item is any instrument, machine, apparatus, or set of articles that meets all of the following criteria:

1. It retains its original shape, appearance and/or character with use.
2. It does not lose its identify through fabrication or incorporation into a different or more complex substance.
3. It is nonexpendable; that is if the item is damaged or some of its parts are lost or worn out, it is more feasible to repair the item than to replace it with an entirely new unit.
4. Under normal conditions of use, including reasonable care and maintenance, it can be expected to serve its principal purposes for a least two years.”

The first section of the report details, by instructional or support area, the equipment necessary for Arkansas educators.

As the committee went about its tasks in the development of the report, it was found that in order for educators to deliver quality instructional and support services, there was a need to include a list of equipment and/or supplies that did not meet the APSCN definition. Because of that the second section of the report provides a list of consumable materials needed by the State's educators.

The third section of the report details the equipment list submitted by the ADWE. This was placed in a separate section due to the fact that the ADWE's list of equipment needs is already being used in the approval of instructional programs throughout the State.

When reading the report, it is important to be mindful that it is not always necessary for each piece of equipment to be present in every classroom, laboratory, media center or guidance office every hour of every day. It is essential, however that every school district have an ample number of equipment items listed so that teachers, media specialists and counselors can have the equipment available when needed. The actual number of equipment items needed will vary according to the size of the district, the size and grade configuration of the schools within the district, the number of course offerings and programs available, and the enrollment in the courses and programs.

An accountability process must be established to ensure that the equipment needed is present in all Arkansas schools. The following paragraphs detail one accountability process option:

By June 30, 2005 a complete list of the needed equipment would be made available to each school district in the State. The equipment already available in each school district would be reported to the Arkansas Department of Education as follows:

June 30, 2006	Science Areas and Mathematics Area
June 30, 2007	Library Media Center
June 30, 2008	English/Language Arts, Foreign Language and Social Studies
June 30, 2009	Health Education and Physical Education
June 30, 2010	Art and Music
June 30, 2011	Guidance and Health Services

In the school year following each required date of the submittal of the equipment available in each district, the ADE will include that area to be monitored by the Standards Assurance Unit. It must be recognized that the Standards Assurance Unit's responsibilities in the monitoring of school districts is already very comprehensive. In order for the monitoring of the required equipment needs by districts to be placed in the Unit's responsibilities as well, there must be additional positions with proper funding allocated for the ADE.

UNATTACHED EQUIPMENT COMMITTEE

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Section I

UNATTACHED EQUIPMENT

UNATTACHED EQUIPMENT

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ART

1-6

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Storage Cabinet	1	For supplies and used by students during class time. Lockable, adjustable shelves, inside dimension at least 12" deep to store 12"x18 " paper. Inside dimensions of at least 18" deep to store 18"x24" paper. Additional deep cabinets to store larger materials.
2	Storage Cabinets		For student work in progress and adequate for number of students using room. Some open shelving to allow drying, lockable, adjustable shelves.
3	Storage Cabinet	1	For equipment used by students during class time. Lockable, adjustable shelves.
4	Storage Cabinet	1	For combustible materials. Fireproof, lockable.
5	Bookshelf	1	For reference and resource materials.
6	Trash Containers	3	Large capacity, on wheels.
7	Liquid Soap Dispenser	1	
8	Paper Towel Dispenser	1	
9	Paper Cutter	1	Minimum 24" x 24" with safety features.
10	Drying Racks for Student Artwork	1	Can be counter top or floor model capable of storing one days worth of work.
11	Paper Rack	1	Counter top or wall mounted for rolls of paper – as needed for chosen size of paper.
12	Electric Paper Drill or 3-Hole Punch	1	
13	Tape Dispenser	3	For different types of tape, i.e. transparent, masking, paper.
14	Low-temp Trigger-fed Glue Gun	1	
15	Computer System	1	With s video plug. High-quality video monitor. Expandable memory, flash drive, high-speed internet connection.
16	Jet Printer	1	
17	Scanner	1	
18	Digital Camera	1	
19	Television	1	32" minimum with s video plug, mounted on safety cart or permanently installed.
20	DVD Player	1	
21	VCR	1	Adequate supply of videos and DVDs on appropriate levels of instruction: art techniques, art history.
22	Student Worktables		Group or individual tables, preferably student easel-top tables, lightweight enough to move but sturdy enough to provide a stable work surface. Be of solid surfacing which is waterproof, paint proof and resist scratching.

			Height appropriate for size of students.
23	Chairs/stools	1 per student	Be of a waterproof and easy to clean surface, be adjustable or appropriate size for the students.
24	Easels	1 per student	If easel top tables were not selected as student worktables, easels will be needed for raised work. May be tabletop or floor type
25	Clay Bin	1	Rustproof, leak-proof, airtight and moveable.
26	Portable Clay Storage Cart	1	
27	Cabinet	1	One for storing dry clay and one for keeping damp clay.
28	Damp Cupboard	1	Airtight, metal-lined with adjustable non-corrosive, wire-mesh shelving or metal trays lined with plaster of Paris.
29	Kiln	1	Recommended safety features of kiln sitter and timer, shelves and supporting post (furniture) for inside the kiln.
30	Desk - Teacher	1	
31	Chair - Teacher	1	
32	Lockable File Cabinet		For teacher's use.
33	Computer with Internet Connection	1	

ART

7-12

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Storage Cabinet	1	For supplies and used by students during class time. Lockable, adjustable shelves, inside dimension at least 12" deep to store 12"x18" paper, Inside dimensions of at least 18" deep to store 18"x24" paper, additional deep cabinets to store larger materials.
2	Storage Cabinet	1	For student work in progress. Some open shelving to allow drying, lockable, adjustable shelves.
3	Storage Cabinet	1	For equipment used by students during class time. Lockable, adjustable shelves.
4	Fireproof Cabinet	1	For combustible materials. Fireproof, lockable. Vertical racks for storage of paintings, mounted artwork, portfolios, flat files, etc.
5	Bookshelves	2	For reference and resource materials.
6	Refrigerator	1	Small for film and paper mache' pulp storage.
7	Trash Containers	3	Large capacity on wheels.
8	Liquid Soap Dispenser	1 per sink	
9	Paper Towel Dispenser	1 per sink	
10	Paper Cutter	1	With safety features, minimum 30" x 30".
11	Drying Racks		For student artwork. Can be counter top or floor model capable of storing one day's worth of work.
12	Paper Racks	1	Counter top or wall mounted for rolls of paper-as needed for chosen size of paper.
13	Electric Paper Drill or 3 Hole Puncher	1	
14	Shrink-wrap Machine	1	
15	Teacher Desk	1	
16	Teacher Chair	1	
17	File Cabinet	1	Lockable.
18	Computer	1	With internet connection
19	Lockable Cabinet	1	Teacher
20	Computer System	1	With s video plug and USB ports, high speed with 80 gig hard drives and 512 SDRAM. High quality video monitor, with expandable memory, flash drive, with high speed Internet connection, digital projector, laser mouse and CF card readers.
21	Laser Jet Printer	1	Capable of producing photo quality color prints with ample supply of ink cartages.
22	Flat Bed Scanner	1	
23	Digital Video Camera	1	

24	Television	1	With s video plug, 32" minimum and mounted on safety cart or permanently installed.
25	DVD Player	1	
26	VCR	1	
27	Slide Projector w/screen	1	
28	Opaque Projector	1	
29	Overhead Projector	1	
30	Student Worktables	1 per student	Individual tables or preferably student easel top tables, appropriate size to fit students. Be lightweight enough to move but sturdy enough to provide a stable work surface. Be of solid surfacing which is waterproof, paint proof and resist scratching.
31	Chair/Stool	1 per student	Be of a waterproof and easy to clean surface. Be appropriate size for the students.
32	Easel	1 per student	If easel top tables were not selected as student worktables, easels will be needed for raised work. They may be tabletop or floor type appropriate to the student's size.
33	Step Stool and/or Ladder	1	For teachers use.
34	Model Platform	1	
35	Equipment Cart to Transport Supplies	1	
36	Drill	1 each	Manual with an assortment of bits. Electric with an assortment of bits.
37	Clay Bins	1	Rustproof, leak-proof, airtight and moveable.
38	Portable Clay Storage Cart	1	
39	Cabinets	2	One for storing dry clay and one for keeping damp clay. Damp cabinet, which is airtight, metal-lined, has adjustable non-corrosive, wire-mesh shelving or metal trays lined with plaster of Paris.
40	Potter's Wheel	1	Electric, variable speed.
41	Electric Kiln	1	Specific volt that must be matched to existing voltage and amps in the existing electrical system. Shelves and supporting post furniture for inside the kiln including star stilts. Ventilation system vented to the outside of building.

**EQUIPMENT FOR SPECIALIZED AREAS OF ART
THAT MAY BE OFFERED AT THE SECONDARY LEVEL**

Larger schools may have specialized art rooms for these classes as part of a visual arts cluster. Smaller school may utilize the general art room for these areas of study by rearranging present tables and chairs/stools and /or adding safety equipment.

Photography

Enlarger
Tongs
Chemical storage jars
Safe Light
Exhaust fans
Camera (35mm SLR)
Assorted lenses (wide angle, close up, telephoto)
Film developing tanks
Safety Aprons
Chemical disposal system
Hanging lines with clips
Tripods

Mosaics and Stained Glass

Glass and Tile storage
 Lockable cabinet
Copper Foil dispensers
Hand Tools:
 Tile nippers
 Glasscutters
 Trowels for grouting
 Needle nose pliers
 Soldering irons with stands
Mosaic Molds

Copper Enameling

Enameling kilns
Fireproof Board
Screens
Scrolling Tools
Jewelry saws and blades
Hole cutter

Jewelry

Grinder
Polishing Wheel
Tweezers
Jewelry drill
Torches
Jewelry files
Jewelry saws
Jewelry pliers

Beading looms
Metal punch
Metal embosser
Soldering irons with stands
Centrifuge
Crucibles
Ring mandrel
Toaster oven
Heat Resistant sheet
Star Stilts

Fiber Art

Loom
 Floor
 Cardboard
Warping boards
Shuttles
Bobbins
Bobbin winders
Ball winders
Irons
Vats or tubs
Sponges
Tjanting tools
Grommet punch
Felting needles
Clamps

Basketry

Wooden boards
Awls
Clamp
Reed gauge
Reed Cutters
Dyeing Vat

ENGLISH/LANGUAGE ARTS

K-4

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair – Teacher	1 each	Large, durable.
3	Book Shelves		Open shelves and shelves for locked storage.
4	Tape Player/Recorders		For books on tape.
5	Listening Centers		
6	LCD Projector	1	
7	Audio Pen	1	
8	Overhead Projector	1	
9	Big Book Easel	1	
10	Laptop Computer	1	
11	Color Printer	1	
12	Digital Camera	1	
13	Copy Machine	1	One per 10 classroom teachers.
14	Digital Video Camera		ACCESS to a camera.
15	Book Binder		ACCESS to a binder.
16	CD Player	1	
17	DVD Player	1	
18	Microphone and Amplifiers	1	
19	Amplifying System with Lapel Microphone	1	
20	Individual Magnetic Boards and White Boards		
21	Reading Table	1	Small group table.
22	Video Monitor/TV	1	Super video capability.
23	Video Editing Equipment or Digital Programs		ACCESS to this equipment.
24	Document Camera/Projection System		ACCESS to this equipment.
25	Student Computers		With internet access.
26	Computer – Teacher	1	With internet access.
27	Computer Flatbed Scanner		ACCESS to scanner.
28	Classroom Library Furniture		
29	File Cabinet	1	Lockable
30	Laminator		ACCESS to laminator.

ENGLISH/LANGUAGE ARTS

5-8

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair – Teacher	1 each	Large, durable.
3	Book Shelves		Open shelves and shelves for locked storage.
4	Lectern	1	Adjustable.
5	Tape Player/Recorders		For books on tape.
6	Listening Centers		
7	LCD Projector	1	
8	Audio Pen	1	
9	Overhead Projector	1	
10	Laptop Computer	1	
11	Color Printer	1	
12	Digital Camera	1	
13	Copy Machine	1	One per 10 classroom teachers.
14	Digital Video Camera		ACCESS to a camera.
15	Book Binder		ACCESS to a binder.
16	CD Player	1	
17	DVD Player	1	
18	Amplifying System with Lapel Microphone	1	
19	Reading Table	1	Small group or individual.
20	Video Monitor/TV	1	Super video capability.
21	Video Editing Equipment or Digital Programs		ACCESS to this equipment.
22	Document Camera/Projection System		ACCESS to this equipment.
23	Student Computers		With internet access.
24	Computer – Teacher	1	With internet access.
25	Computer Flatbed Scanner		ACCESS to scanner.
26	Classroom Library Furniture		
27	File Cabinet	1	Lockable.
28	Laminator		ACCESS to laminator.

ENGLISH/LANGUAGE ARTS

9-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair – Teacher	1 each	Large, durable.
3	Book Shelves		Open shelves and shelves for locked storage.
4	Lectern	1	Adjustable
5	Tape Player/Recorders	1	For books on tape.
6	LCD Projector	1	
7	Overhead Projector	1	
8	Laptop Computer	1	
9	Color Printer	1	
10	Digital Camera	1	
11	Copy Machine	1	ACCESS. One per 10 classroom teachers.
12	Digital Video Camera		ACCESS. One per 10 classroom teachers.
13	Book Binder		ACCESS to a binder.
14	CD Player	1	
15	DVD Player	1	
16	Amplifying System with Lapel Microphone	1	
17	Video Monitor/TV	1	Super video capability.
18	Video Editing Equipment or Digital Programs		ACCESS to this equipment.
19	Document Camera/Projection System		ACCESS to this equipment.
20	Student Computers		With internet access.
21	Computer – Teacher	1	With internet access.
22	Computer Flatbed Scanner		ACCESS to scanner.
23	Classroom Library Furniture		
24	File Cabinet	1	Lockable.
25	Laminator		ACCESS to laminator.

FOREIGN LANGUAGE**K - 12**

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Overhead Projector	1	With screen, with cart
2	Cassette Player	1	With CD player/recorder
3	Television	1	27" minimum with AV hook-up
4	VCR/DVD Player	1	
5	Compatible headphones	1 set	Where appropriate
6	Averikey or Data Projector or Smart Board	1	
7	Computer system	1	
8	Color Printer	1	
9	Video Camera	1	
10	Digital Camera	1	
11	Teacher Desk and Chair	1	
12	Copy Machine	1	FREQUENT ACCESS
13	Laminator	1	FREQUENT ACCESS

GUIDANCE

K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Phone Line	1	Private line for counselor's confidential calls.
2	Desk and Chair	1 each	For Counselor.
3	Visitor Chairs		Counselor's office.
4	Computer	1	Counselor's office.
5	Printer	1	Counselor's office.
6	Copier	1	Counselor's office.
7	Scanner	1	Counselor's office.
8	Fax Machine	1	Counselor's office.
9	File Cabinet	1	Lockable. Counselor's office.
10	Paper Shredder	1	Counselor's office.
11	Clock	1	For timed activities - counselor's office.
12	Display Shelving		Counselor's office.
13	Storage Cabinet	1	Lockable for testing materials and programs - Counselor's office.
14	Digital Camera	1	Counselor's office.
15	Mirror	1	Full length. For counselor's office.
16	Paper Cutter	1	ACCESS to a paper cutter – counselor's office.
17	Laminator	1	ACCESS to a laminator – counselor's office.
18	Student Table	1	For group room.
19	Chairs	4-6	For group room.
20	TV, VCR, DVD	1	On moveable cart. For group room.
21	CD & Cassette Tape Player	1	For group room.
22	Presentation System	1	Including scan converter, SMART Board, PowerPoint, and overhead for group room.
23	Projection Screen	1	For group room.
24	Computer	1	For student use in career planning, research, portfolio and other student activities For group room.
25	Display Shelving		For group room.
26	Chairs	4-6	For reception area.
27	Display racks		For reception area.
28	Computers	2	For students' use in reception area.

HEALTH EDUCATION

K - 12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	TV – DVD/VCR	1	
2	Overhead Projector	1	
3	CPR Manikins	1	
4	Instructional Kits	1 each	Nutrition, HIV, suicide prevention, drug education, communicable disease, first aid, pregnancy prevention (empathy belly).
5	Stadiometer	1	
6	Calibrated Scales	1	
7	Skinfold calipers	1	
8	Physical Models	1	Teeth, muscles, body organs, bones.
9	Storage Files	1	

LIBRARY MEDIA CENTER

K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Computer	1	With automation software.
2	Barcode Scanner	1	
3	Receipt Printer	1	
4	Laser Printer	1	Networked access within library.
5	Circulation Desk	1	Age/height appropriate and electrical access.
6	Inventory Scanner	1	Portable.
7	Chair or Stool	1	
8	Book Trucks	3	
9	Chairs		Age/size appropriate.
10	Tables		3' x 5', age/size appropriate.
11	Atlas/Dictionary Stands		
12	Periodical/Newspaper Shelving		
13	Leisure Reading Chairs		
14	Shelving (Free-standing or Mobile Adjustable of Appropriate Height)		42" for elementary, 60" for middle, 72" for high school. Easy book shelving 12" deep x 30-42" high divided with partitions 7" apart.
15	Catalog Stations	1 per 150 students	Online (OPAC).
16	Computers	3 per 100 students	Networked, available for general use – internet, online database, research, multi-media reports.
17	Computer	1	Library administrative.
18	Laser Printer	1	Networked access within library.
19	Color Printer	1	Access within library.
20	Desk	1	Executive.
21	Chair	1	Executive.
22	Telephone	1	Cordless.
23	File Cabinet	1	4-drawer.
24	Paper Shredder	1	
25	Fax Machine	1	
26	Laminator	1	Available per building.
27	Copier	1	
28	Letter Die Cutter	1	Within the district.
29	Paper Cutter	1	
30	Stools/Chairs		For workroom/production area.
31	Computer	1	Processing, for workroom/production area.
32	Camera	1 per 200 users	Digital, minimum of two.
33	Movie Camera	Minimum of 1	Digital.
34	Directional Microphone	1	
35	Tripod	1	
36	Flatbed scanner	1	

37	Poster Machine	1 per district	
38	Art Waxer	1 per district	
39	Dubbing Station	1	With minimum 13" TV.
40	Computer	1	Multimedia with recordable portable storage and duplication. For workroom.
41	Binding Machine	1	ACCESS to a binding machine.
42	Shelving		Adjustable of appropriate depth/height for equipment storage room.
43	Cabinets		For software/print/non-print storage.
44	Multimedia Projector	1	For library use.
45	Multimedia Projector	1	Portable with laptop for checkout.
46	Interactive Whiteboard	1 per library	
47	Screen	2	Large, one for library and one for checkout.
48	Overhead Projector	2 per library	
49	Scan Converter	Minimum of 2	For checkout.
50	TV/VCR/DVD	Minimum of 2	27" minimum w/front AV input, s video capabilities.
51	Cassette/CD Player	3	Portable.
52	AV Carts		With safety features (number and height appropriate for variety of uses).
53	Document Camera	Minimum of 1	
54	Lectern	1	Portable, with microphone.
55	Listening Station	1 per 100 students	Network computer with printer access (with CD/DVD and handset). Chairs for appropriate age/size, headphones, cassette/CD players, access to electrical outlets.
56	Rocking Chair	1	Elementary School

MATHEMATICS

K - 12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Student Furniture	1 per student	Age appropriate, flat surfaces, some adjustability for special students (obese, handicapped, left handed)
2	Teacher Work Area	1	With large, appropriate desk and chair and computer with internet access and maintained upgraded software.
3	Furniture	1	On rollers for projection equipment and specialized technology.
4	Storage Cabinet	1	Accessible for manipulatives and equipment.
5	Shelving		For books, resources and special project library.
6	Hand-held Technology	1 per student	Level appropriate (keyboards, calculators, collection devices, etc.)
7	Technology Devices		Enhance calculator usage and textbook supported materials. (Infocus/projection system, appropriate calculator projection systems, CD player, DVD player, software, laser disk, Avery Key cassette.
8			ACCESS to computer, copy machine, printer, and fax
9	Manipulative		Level appropriate manipulatives for each student, large teacher-use manipulatives for board or projection use.

MUSIC

K - 12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Student Chair	1 per student	Designed for music classes
2	Tables and Desks		
3	Computer	1	Printer
4	Storage/Filing Cabinets	2	
5	TV	1	With VCR/DVD
6	LCD	1	Projector and screen
7	Metronome	1	
8	Music Stands	1 per student	
9	Piano	1	Acoustic or Electronic
10	Sound Equipment	1	For recording and playback
11	Musical Instrument Digital Interface (MIDI) Equipment	1	
12	Repair and Maintenance Equipment Kit	1	
13	Instruments		Of sufficient quantity and variety for every class offered.
14	Elementary Instruments		Recorder, Rhythm, Orff
15	Special Education Modification Equipment	1	
16	Portable Choral Risers		
17	Uniforms		Choral
18	Secondary Instruments		Of sufficient quantity and variety for every course offered. (Provisions are made for students who are unable to purchase an instrument due to financial hardship, possibly using "Play it Again Arkansas" as a resource.)
19	Podium	1	
20	Tuning Devices		
21	Uniforms		Instrumental

PHYSICAL EDUCATION

K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Sound System	1	Stationary or portable – CD and cassette.
2	Sit and Reach Boxes		1 box per 30 students.
3	Step Platform		For aerobics. 1 platform per 10 students.
4	Agility Ladder for Floor		1 ladder per 10 students.
5	Cones		Various sizes – 10"-12" and 10"-18".
6	Jump Ropes		Long and Short. Long (1 per 4 students) and short (1 per student).
7	Trampolines		1 per 5 students (mini) and 1 large per P.E. building.
8	Tennis Rackets		1 per student.
9	Badminton Paddles		1 per student.
10	Standards for Holding Nets		1 pair per court for volleyball, badminton, tennis.
11	Ball Inflator		1 per building
12	Weights		Free weights and machine weights.
13	Safety Equipment (shin guards, knee pads, eye wear, helmets)		For all sports.
14	Heart Rate Monitors, Pedometers, Stop Watches, Fitness Software		1 monitor per student and 1 pedometer per student.
15	Washer		1 per building.
16	Dryer		1 per building.
17	Track and Field Equipment		Relay batons, hurdles.
18	Hurdles for Elementary		1 per 5 students.
19	Indoor Hockey Equipment		
20	Tug-O-War Rope		1 per building.
21	Scales	1	Calibrated.

PHYSICAL EDUCATION

K-12 (ADAPTIVE)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Weight Machine	1 per school	Adaptive, as needed.
2	Catch Vest	1 per student	As needed.
3	Grip Star Parachute	1 per student	As needed.
4	Pow-R-Stretch Band	1 per student	As needed.
5	Treadmill	1 per school	As needed.
6	Pulleys	1 set per school	As needed.
7	Exercise Bicycle	1 per student	As needed.
8	Tricycle	1 per student	Adaptive, as needed.
9	Ramps	1 set per school	As needed.
10	Scooter/Mega Scooter	1 per student	Adaptive, as needed.

SOCIAL STUDIES

K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desk – Teacher	1	
2	Chair – Desk	1	With wheels.
3	Filing Cabinet	1-2	With or without locks.
4	Storage Cabinet	1	With lock.
5	Shelves		Variations, depending on classroom size.
6	Student Desks	1 per student	Age appropriate.
7	Television	1	27” minimum, wall-mount or cart, cable or satellite.
8	DVD/VCR	1	Mounted with television.
9	Multi-media Cart	1	With an ELMO projector, laptop computer and an LCD projector.
10	Projection Screen	1	Wall-mounted; roll up.
11	Podium	1	
12	Copy Machine	1	Teacher access (for limited use).
13	Computer	1	Teacher
14	Printer	1	Teacher
15	Scanner	1	Teacher
16	CD/Tape Player	1	

SCIENCE

K-3

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Eyewash System	1	
2	Fire Extinguisher	1	
3	Goggles	1 per student	And 1 per teacher
4	MSDS Binder	1	
5	Table or Desk	1 per student	With flat tops, not slanted
6	Aquarium/Animal Keeper	2	
7	Balances	1 per 4 students	Elementary.
8	Cart (Equipment)	1	
9	File Cabinet	1	4 drawer.
10	Hot Plate	1	
11	Laboratory Cart	1	
12	Magnets	1	Classroom demo set.
13	Magnifying Glass	1 per student	
14	Magnifier (Bug) Box	1 per student	
15	Calculator	1 per student	
16	Meter Stick	1 per 2 students	
17	Microscope	1 per 2 students	Handheld (i.e., Tasco, Magiscope)
18	Microscope Slides	1 set	Prepared of insect, hair, etc.
19	Microwave	1	
20	Mineral Sample Set	1	
21	Mirror	1 per 2 students	
22	Prism(Glass)	1 per 4 students	
23	Refrigerator	1	Dorm size.
24	Rock Sample Set	1	
25	Slinky	1 per 2 students	
26	Stethoscope	1 per 4 students	
27	Stopwatch	2	Digital.
28	Thermometer	1 per 2 students	
29	Thermometer	1	For classroom.
30	Thermometer Model	1	
31	Timer	1	Digital.
32	Kits	1	Correlated to district curriculum/state

			frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
33	TV	1	32" minimum with S video.
34	VCR/DVD	1	
35	Overhead Projector and Large Wall Screen	1	
36	Flex Video Microscope	1	Flexcam with discovery scope kit.
37	Laptop Computer	1	
38	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
39	Color Printer		ACCESS
40	Internet		ACCESS
41	Projector (Computer)	1	
42	Access to Digital Camera and Video Camera	1	All equipment installed, on carts and/or mounted to walls as needed.

SCIENCE

4th Grade

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Eyewash System	1	
2	Fire Extinguisher	1	
3	Goggles	1 per student	And 1 per teacher.
4	MSDS Binder	1	
5	Table or Desk	1 per student	With flat tops, not slanted
6	Anemometer	1	
7	Aquarium/Animal Keeper	2	
8	Balances	1 per 2 students	Elementary pan.
9	Barometer	1	
10	Binoculars	1 per 2 students	
11	Calculator	1 per student	1 per teacher.
12	Compass	1 per 2 students	For direction.
13	Electric Circuit	1 per 2 students	Intro. Set.
14	File Cabinet	1	4-drawer.
15	Graph Marker Board	1	Large demonstration.
16	Graph Marker Board	1 per student	Individual size.
17	Hot Plate	2	
18	Laboratory Cart	1	
19	Microscope	1 per student	Handheld (i.e., Tasco, Magiscope)
20	Microwave	1	
21	Refrigerator	1	Dorm size.
22	Triple Beam Balance Scale	1	
23	Stethoscope	1 per 2 students	
24	Stopwatch	1 per 2 students	Digital.
25	Thermometer	1	For classroom.
26	Thermometer Model	1	
27	Timer	1	Digital.
28	Tuning Fork	1 per 3 students	128, 256, 512, cps.
29	Trundle Wheel	1 per 3 students	
30	Weather Vane	1	
31	Kits	1	Correlated to district curriculum/state

			frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
32	TV	1	32" minimum with S video.
33	VCR/DVD	1	
34	Overhead Projector and Large Wall Screen	1	
35	Flex Video Microscope	1	Flexcam with discovery scope kit.
36	Laptop Computer	1	
37	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
38	Color Printer		ACCESS
39	Projector (Computer)	1	
40	Access to Digital Camera and Video Camera	1	All equipment installed, on carts and/or mounted to walls as needed.

SCIENCE

5th – 6th Grade

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water and electricity demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Goggle Sterilization Cabinet	1	
6	Table or desk	1 per student	With flat tops (not slanted).
7	Altimeter	1	
8	Animal Cages/Habitats		With needed accessories.
9	Animals		And needed food and accessories.
10	Anemometer	1 per 6 students	
11	Aquarium & Accessories	1 per teacher	55 gallon. Aquarium fish net, aquarium thermometer, gravel, live water plants, filter kit, aquarium heater, fish/food/chemicals.
12	Balances	1 per 2 students	Triple-beam.
13	Barometer	2	
14	Calculator	1 per student	1 per teacher.
15	Cloud Chamber	1	
16	Conductivity Apparatus	1	
17	Density Kit	1	Cube, cylinder, rectangular blocks (solids of different shapes but same material).
18	Electrostatic Generator	1	
19	File Cabinet	1	4-drawer. 2 for multiple classes.
20	Heater	1	Immersion.
21	Hot Plate	1 per 3 students	
22	Hydrometer	1	
23	Hygrometer	1	
24	Laboratory Cart	2	
25	Laser Pointer	1	.
26	Lenses	1 each per 2 students	Plain, curved- concave, convex
27	Lamp	1 per 4 students	Flexneck.
28	Light Box plus Power Supply	1 per 3 students	
29	Microscope	1 per 2 students	Compound with light source.
30	Microscope	1 per 2 students	Stereo with light source.

31	Microwave	1	
32	Radiometer	1	
33	Rain Gauge	1	
34	Refracting Telescope	1	
35	Refrigerator	1	Dorm size.
36	Solar System Model	1	
37	Spectroscope	1 per 2 students	
38	Spring Scale	1 per 2 students	Calibrated in Newtons (clear plastic)
39	Stethoscope	1 per 4 students	
40	Stopwatch	1 per 2 students	
41	Stream Table	1 per 4 students	With accessories.
42	Terraria	1	
43	Weather Thermometer	1	(Min/max)
44	Wind Vane	1	
45	Kit	1	Correlated to district curriculum/state frameworks/and national standards (i.e., FOSS, GEMS, Lego-Dacto, SEPUP, etc.)
46	Computer	1 per 4 students	Printer ACCESS/internet ACCESS in each classroom.
47	Microscope	1	Flex video with discovery scope kit.
48	Overhead Projector and Large Wall Screen	1 per teacher	
49	Laptop Computer	1	
50	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
51	Color printer		ACCESS
52	Projector (Computer)	1	
53	TV	1	32" minimum with S video.
54	VCR/DVD	1	
55	Camera	1	Digital and video.
56	Laser Pointer	1	
57	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, voltage, light, sound, force, heart rate, pressure, etc.)

SCIENCE

Secondary (Life Science)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water and electricity demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Goggle Sterilization Cabinet	1	
6	Lab Table	1 per student	With fire and chemical resistant top.
7	Acid Cabinet	1	
8	Aquarium & Accessories	1	55 gallon.
9	Binoculars	1 per 2 students	
10	Calculator	1 per student	1 per teacher.
11	Compound Microscopes with Light Source	1 per 2 students	
12	Dissecting Microscopes	1 per 2 students	Stereo with light source.
13	Electronic Balances	1 per 6 students	Recommended sensitivity to 0.1 gram.
14	File Cabinet	2 per teacher	4-drawer.
15	Gooseneck Lamp	8	UV, infrared, incandescent, fluorescent interchangeable bulbs.
16	Hot Plate	1 per 4 students	
17	Incubator	2	
18	Laboratory Cart	2	
19	Microwave	1	
20	Models	1 each	Plant cell, animal cell, human torso, heart, brain, eye, ear, leaf, flower, mitosis, meiosis, skeleton, skin.
21	Refrigerator	1	Dorm size.
22	Ring Stand and Gas Burner	1 per 2 students	Each with large and small rings, clamps, and wire gauze – both plain and with ceramic center.
23	Stopwatch	1 per 2 students	
24	Terrarium and Animal Habitats	1	Food and supplies needed for care.
25	Timer	1	Digital.
26	Tree Cross-sections	1 per 2 students	Or dendrochronology tree ring dating kit.
27	Triple Beam Balances	1 per 2 students	
28	Kits	1	Correlated to district curriculum/state

			frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
29	Computer	1 set-up per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
30	Microscope	1	Flex video (Flexcam) with discovery scope kit.
31	Overhead Projector and Large Wall Screen	1 per teacher	
32	Laptop Computer	1	
33	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
34	Projector (Computer)	1	
35	TV	1	32" minimum with S video.
36	VCR/DVD	1	
37	Camera	1	Digital and video.
38	Laser Pointer	1	
39	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
40	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, sound, heart rate, pressure, etc.)

SCIENCE

Secondary (Earth Science)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Goggle Sterilization Cabinet	1	
7	Lab Table	1 per student	With fire and chemical resistant top.
8	Altimeter	1	
9	Anemometer	1	
10	Balance	1 per 6 students	Electronic.
11	Barometer	2	
12	Clinometer, Compass	1 per 2 students	
13	File Cabinet	2 per teacher	4-drawer.
14	Gas Burners	1 per 4 students	
15	Glass Plates	1 per student	
16	Geiger Counter	1	
17	Hygrometer	1	
18	Laboratory Carts	2	
19	Maps	1 each	Retractable wall map set, globes, topographic, county sectional, raised relief, etc.
20	Microwave	1	
21	Models	1 each	Solar system, earth's forces, topography, sun, etc.
22	Psychrometer	1 per 2 students	Student grade sling type.
23	Psychrometer	1	Professional grade.
24	Reflecting Telescope	1	
25	Refracting Telescope	1	
26	Rock Hammer	1 per 4 students	
27	Rock Identification Kit	1 per 2 students	
28	Spectrometer and Assorted Gas Tubes	1 set	
29	Spectroscope	1 per student	Student grade.

30	Stream Table	1 per 4 students	
31	Star Projector	1	
32	Triple Beam Balance and Mass Set	1 per 2 students	
33	UV Light	1	
34	Wave Generator	1	
35	Weather Station	1	
36	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
37	Computer	1 set-up per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
38	Microscope	1	Flex video (Flexcam) with discovery scope kit.
39	Overhead Projector and Large Wall Screen	1 per teacher	
40	Laptop Computer	1	
41	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
42	Projector (Computer)	1	
43	TV	1	32" minimum with S video
44	VCR/DVD	1	
45	Camera	1	Digital and video.
46	Laser Pointer	1	
47	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
48	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, sound, pressure, etc.)

SCIENCE

Secondary (Physical Science)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Acid Storage Cabinet	1	Approved material.
7	Flammable Material Storage Cabinet	1	Approved material.
8	Hazardous Materials Containment Unit	1	Temporary storage until removed by haz/mat unit.
9	Goggle Sterilization Cabinet	1	
10	Safety Shower	1	
11	Lab Table	1 per student	With fire and chemical resistant top.
12	Archimedes' Apparatus	1	
13	Aspirator	1 per 4 students	
14	Barometer	1	Aneroid, mercury, digital.
15	Bunsen Burner	1 per 2 students	With safety hose.
16	Calorimeter	1	
17	Capacitor	1 per 4 students	
18	Charts	1 each	Safety, common procedures, periodic table, Newton's forces, etc.
19	Circuit Board	1 per 2 students	
20	Cloud Chamber	1 per 4 students	
21	Demineralizer Unit	1	
22	Diffraction Grating	1 per 2 students	
23	Distilling Unit	1	
24	Electric Circuit Kits	1	Simple (class size appropriate)
25	Electrolysis Apparatus	1 per 4 students	
26	Electronic Balance	1 per 6 students	
27	Electroplating Apparatus	1	
28	Electroscopes	1 per 4 students	
29	Electrostatic Generator	1	

30	Force Board	1 per 4 students	
31	Force Apparatus	1	
32	Friction Box	1	
33	Galvanometer	1 per 2 students	
34	Genecon	1 per 2 students	
35	Hot Plate	1 per 4 students	
36	Incline Plane	1 per 4 students	
37	Induction Coil	1	
38	Inertia Apparatus	1	
39	Gyroscope	1 per 2 students	
40	Kaleidoscope	1 per 4 students	
41	Laboratory Cart	2	
42	Lamp	1 each	UV, infrared, high-powered lens- illuminating, mercury
43	Laser Kit with Pointer	1 per 6 students	
44	Law of Motion Apparatus	1	
45	Lenses	1 set per 4 students	Plain, curved, biconvex, biconcave, polarized and colored
46	Light Box with Power Supply	1 per 2 students	
47	Linear Expansion Apparatus	1 per 2 students	
48	Micropipet	1 per student	
49	Microwave	1	
50	Models	1 set	Atomic/molecular, structure, orbital.
51	Molecular Motion Detector	1 per 4 students	
52	Multimeters	1 per 2 students	
53	Optical Bench	1 per 2 students	
54	Oscilloscope	1	
55	Osmosis Apparatus	1	
56	Pendulum Apparatus	1 per 2 students	
57	pH Meters	1 per 2 students	
58	Pneumatic Trough	1 per 2 students	
59	Prism	1 per 2 students	
60	Pulleys	1 set per 2 students	Single, double and triple.

61	Radiometer	1	
62	Refrigerator	1	Dorm size.
63	Resistance Board	1 per 4 students	
64	Rheostat	1 per 4 students	
.	Ripple Tank	1	
66	Rockets (Estes) and Glider Planes	1 each per 4 students	
67	Semiconductors	1 per 2 students	
68	Simple Machines	3 of each	
69	Spark Generator	1	
70	Spectroscope	1 per 4 students	
71	Spring Scales	1 set per 2 students	N, g, high and low capacity.
72	Standing Wave Apparatus	1	
73	Stop Watch	1 per 2 students	
74	Strobe Light	1	
75	Tool Box	1	Standard tools (hammer, pliers, screw driver set, wrench set, metal file, etc.)
76	Transformer	1 per 4 students	
77	Triple Beam Balances	1 per 2 students	
78	Vacuum Pump	1 per 2 students	
79	Xylophone/tone Producer	1	
80	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kit, etc.)
81	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
82	Microscope	1	Flex video (Flexcam) with discovery scope kit.
83	Overhead Projector and Large Wall Screen	1 per teacher	
84	Laptop Computer	1	
85	Projector (Computer)	1	
86	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
87	TV	1	32" minimum with S video
88	VCR/DVD	1	
89	Camera	1	Digital and video.
90	Laser Pointer	1	
91	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
92	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, sound, pressure, etc.)

SCIENCE

Secondary (Biology)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Goggle Sterilization Cabinet	1	
7	Safety Shower	1	
8	Lab Table	1 per student	With fire and chemical resistant top.
9	Animal Cages	1 per 2 students	Plastic.
10	Aquarium with Accessories	2	
11	Animal Habitat Units	2	Small.
12	Balances	1 per 6 students	Electronic
13	Balances	1 per 2 students	Triple beam.
14	Binoculars	1 per 2 students	
15	Blood Chemistry Kit	1	
16	Bunsen Burner	1 per 2 students	With safety hose.
17	Centrifuge	1	
18	Conductivity Apparatus	1	
19	Dissection Kit	1 per 2 students	Ruler, scalpel, scissors, forceps, probes/needles.
20	Dissecting Trays	1 per 2 students	
21	Drying Oven	1	
22	Electrophoresis Apparatus	1	
23	File Cabinet	2 per teacher	4-drawer.
24	Hot Plate	1 per 4 students	
25	Human Skeleton	1	Adult size.
26	Incubators	2	
27	Insect Box Magnifier	1 per student	
28	Kymograph Kit	1	
29	Laboratory Cart	2	
30	Lamp	1 per 4	Gooseneck with shade and 25-watt bulb.

		students	
31	Magnifiers	1 per student	
32	Microscope	1 per 2 students	Compound with light.
33	Microscope	1 per 4 students	Stereo dissecting.
34	Models	1 each	Leaf, plant, flower, human anatomy, eye, cell, earthworm, etc.
35	Microtome	1	
36	Microwave	1	
37	Oil Emersion Microscope	3	
38	Osmometer	1	
39	Prepared Slides		Assortment of plants, animals, cell mitosis, etc.
40	Preserved Specimens		Assortment of plants and animals.
41	Refrigerator	1	Dorm size.
42	Sphygmomanometer	1	
43	Spirometer	1	
44	Stethoscope	1 per 4 students	
45	Terrarium and Accessories	2	
46	Thermometers	1 per student	12°F & 12°C
47	Timers	1 per 2 students	
48	Tool Box		Pliers, screw drivers, wrench, hammer, metal file, etc.
49	Water Test Kits	2 per teacher	pH, DO, dissolve solids, turbidity, etc.
50	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kit, etc.)
51	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
52	Microscope	1	Flex video (Flexcam) with discovery scope kit.
53	Overhead Projector and Large Wall Screen	1 per teacher	
54	Laptop Computer	1	
55	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
56	Projector (Computer)	1	
57	TV	1	32" minimum with S video
58	VRC/DVD	1	
59	Camera	1	Digital and video.
60	Laser Pointer	1	
61	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
62	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, CO ₂ , sound, heart rate, pressure, etc.)

SCIENCE

Secondary (Chemistry)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Goggle Sterilization Cabinet	1	
6	Lab Table	1 per student	With fire and chemical resistant top.
7	Barometer	3	Aneroid or digital.
8	Balances	1 per 4 students	Electronic, triple beam, dial-o-gram (0.01 g. sensitivity recommended)
9	Boyle's Law Apparatus	1 per 2 students	Burettes (50 ml)
10	Burner with Safety Hose	1 per 2 students	Bunsen or laboratory.
11	Centrifuge	1	
12	Charles' Law Apparatus	1	
13	Chromatography Apparatus	1	
14	Conductivity Meter	1 per 4 students	
15	Diffraction Gratings or Spectroscope	1 per 2 students	
16	Electrolysis Apparatus	1	Hoffman apparatus.
17	File Cabinet	2 per teacher	4-drawer.
18	Geiger Counter	1	With appropriate radiation sample kit.
19	Spectroscopes	1 per student	Hand held
20	Hot Plate	1 per 4 students	Hot Plate
21	Hydrometer	1 per 4 students	
22	Laboratory Carts	2	
23	Magnetic Stirrers	1 per 4 students	
24	Microwave	1	
25	Micro-scale	1 per student	Micro-well 9-12 well plates, 96 well plates, 1x 12 well strip.
26	Millikan Apparatus	1	
27	Models	1 each	Atomic structure, orbitals, etc.
28	Refrigerator	1	Dorm size.
29	Spectrophotometers		With cuvettes-computer compatible

30	Timer	1 per 2 students	
31	Vacuum Pump	1	
32	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kit, etc.)
33	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
34	Microscope	1	Flex video (Flexcam) with discovery scope kit.
35	Overhead Projector and Large Wall Screen	1 per teacher	
36	Laptop Computer	1	
37	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
38	Projector (Computer)	1	
39	TV	1	32" minimum with S video
40	VRC/DVD	1	
41	Camera	1	Digital and video.
42	Laser Pointer	1	
43	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
44	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, CO ₂ , pressure, etc.)

SCIENCE

Secondary (Physics)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Goggle Sterilization Cabinet	1	
7	Safety Goggles	2 class sets	Impact protection
8	Acceleration Timer	1 per 6 students	
9	Acceleration Apparatus	1	
10	Air Track	1	
11	Air Table	1	
12	Angular Motion Apparatus	1	
13	Archimedes' Apparatus	1	
14	Aspirator	1	
15	Balances	1 per 6 students	0.01 g sensitivity.
16	Inertia Platform/Set Masses 1 to 1000	1	
17	Balances	1 per 2 students	Spring
18	Balances	1 per 2 students	Triple beam.
19	Balances	1 per 4 students	Electronic.
20	Barometer	3	
21	Binoculars	1 per 4 students	
22	Boom Apparatus	1	
23	Boyle's Law Apparatus	1	
24	Bead Assemblies	1 per 4 students	.
25	Calorimeter	1 per 4 students	
26	Capacitor	1 per 4 students	
27	Cartesian Diver	1	
28	Centripetal Force Apparatus	1	
29	Charles' Law Apparatus	1	
30	Cloud Chamber	1 per 6	

		students	
31	Compasses Directional	1 per 2 students	
32	Coulomb's Law Apparatus	1	
33	Circuit Board	1 per 2 students	
34	Dew Point Apparatus	1 per 6 students	
35	Diffraction Grating	1 per student	
36	Dynamic Energy Apparatus	1	
37	Dynamic Carts and Track	1 per 4 students	
38	Electric Circuit Kit	1 per 4 students	Simple.
39	Electroplating Apparatus	1	
40	Electroscopes	1 per 4 students	
41	Electrostatic Generator	1	
42	File Cabinets	2 per teacher	4-drawer.
43	Force Board	1 per 4 students	
44	Force Apparatus	1	
45	Friction Box	1	
46	Function Generator	1	
47	Galvanometer	1 per 2 students	
48	Gas Burner	1 per 2 students	
49	Genecon	1 per 2 students	
50	Gyroscope	1 per 2 students	
51	Gyroscope	1	Large (bicycle wheel shaft)
52	Hall's Carriage	1	
53	Helmholtz Coil	1	
54	Holography Kit	1	
55	Hooke's Law Apparatus	1 per 2 students	
56	Hot Plate	1 per 4 students	
57	Huffman's Electrolysis Apparatus	1	
58	Incline Plane	1 per 4 students	
59	Induction Coil	1	
60	Inertia Apparatus	1	
61	Kaleidoscopes	1 per 4 students	
62	Kinetic Stool	1	

63	Laboratory Carts	2	
64	Lamps	1 of each	UV, infrared, high-powered lens-illuminating, mercury
65	Laser Kit	2	
66	Law of Motion Apparatus	1	
67	Light Box	1 per 2 students	With power supply.
68	Linear Expansion Apparatus	1 per 2 students	
69	Magdeburg Hemispheres	1	
70	Manometers	1 per 2 students	
71	Michelson Interferometer	1	
72	Microwave	1	
73	Millikan Oil Drop Apparatus	1	
74	Molecular Motion Detector	1	
75	Multimeter	1 per 2 students	
76	Optical Bench	1 per 2 students	
77	Oscilloscope	3	
78	Osmosis Apparatus	1	
79	Pendulum Apparatus	1 per 4 students	
80	Photoelectric Effect Apparatus	1	
81	Photogate	1	
82	Planck's Constant Apparatus	1	
83	Potentiometer	1 per 4 students	
84	Prism	1 per 2 students	
85	Pulleys	1 set per 4 students	Sets of single, double and triple.
86	Radiometer	1	
87	Resistance Board	1 per 4 students	
88	Rheostat	1 per 4 students	
89	Rotation Disk Platform	1	
90	Scaler Laboratory	1	
91	Simple Machines	3 of each	
92	Solar Cell Kit	1 per 4 students	
93	Sonic Ranger	1	
94	Sonometer	1	
95	Spark Generator	1	
96	Spectroscope	1 per 4 students	

97	Spectrum Tube	6	
98	Spintharoscope	1 per 4 students	
99	Spring Scales	1 per 2 students	N, g, high and low capacity
100	Standing Wave Apparatus	1	
101	Stop Watch	1 per 2 students	
102	Strobe Light	1	
103	Superconductivity Apparatus	1	
104	Switches	1 per 2 students	
105	Tesla Coil		
106	Thermometers	1 per student	°C and °F.
107	Thermostat	1	
108	Tool Box	1	Hammer, screwdrivers, pliers, metal files, c-clamps, etc.
109	Trajectory Apparatus	1	
110	Transformer	1 per 4 students	
111	Triple Beam Balances	1 per 2 students	
112	Tuning Forks	1 set per 4 students	
113	Vacuum Pump	1 per 2 students	
114	Vernier Calipers	1 per 2 students	
115	Wave Spring	1 per 2 students	
116	Whetstone Bridge	1	
117	Circuit Board	1 per 2 students	
118	Xylophone/Tone Producer	1	
119	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kits, etc.)
120	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
121	Microscope	1	Flex video (Flexcam) with discovery scope kit.
122	Overhead Projector and Large Wall Screen	1 per teacher	
123	Laptop Computer	1	
124	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
125	Projector (Computer)	1	
126	TV	1	32" minimum with S video
127	VCR/DVD		

128	Camera	1	Digital and video.
129	Laser Pointer	1	
130	Data Collecting Device	1 per 4 students	Example: CBL, CBR, graphing calculators.
131	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, voltage, light, sound, force, pressure, etc.)

HEALTH SERVICES

K-12

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Goose Neck Lamp	1	
2	Emergency Generator	1	
3	Liquid Soap Dish	1	Wall mount.
4	Paper Towel Dispenser	1	Wall mount.
5	Cabinet, Wall to Baseboard	1	Lockable, minimum depth 24", washable, counter top (meds/supplies).
6	Closet, Floor to Ceiling	1	Lockable, adjustable shelves (large equipment).
7	Refrigerator	1	15 cu. ft. with icemaker, thermometer, lockable.
8	HVAC Control	1	
9	Eye Wash Attachment	1 per sink	Continuous flow, faucet type.
10	Desk	1	Lockable doors.
11	Desk Chair	1	
12	Telephone	1	With private line.
13	Computer	1	Internet Access
14	Printer	1	
15	Fax Machine	1	
16	File Cabinet	2	Lockable, four-drawer, fireproof.
17	Cot	1 per 300 students	
18	Privacy Screens	1 per 300 students	Folding or draperies.
19	Audiometer	1 per school	
20	Vision Screener	1 per school	
21	Scoliometer	1 per school	
22	Stadiometer	1 per school	
23	Scales	1 per school	
24	Carpenter's Triangle	1 per school	
25	Step Stool	1 per school	
26	Scales	1 per school	Calibration weight.
27	Otoscope	1 per school	Rechargeable.
28	Ophthalmoscope	1 per school	Rechargeable.
29	Clock	1	With second hand.
30	Blanket	2 per cot	Thermal cotton.
31	Pillow	1 per cot	Plastic covered.
32	Trash Can	1	Pedal control.
33	Container	1	For sharps.

34	Lamp, Magnifying	1	
35	TB Light	1	Ultra-violet.
36	Peak Flow Meter	1	
37	Portable Crisis Kit	1	
38	Sphygmomanoter	1	
39	Blood Pressure Cuffs	4 sizes per office	One each: child, adult, large, thigh.
40	Stethoscope	1	Dual head.
41	Portable Stretcher	1	Collapsible.
42	Percussion Hammer	1	
43	Thermometer	1	Digital, oral
44	Glucometer	1	
45	Nebulizer	1	
46	Suction Machine	1	
47	Chairs	2	For waiting room.
48	Wheelchair	1 per school	
49	Stool	1	Rolling.
50	Pen Light	1	

Section II

CONSUMABLE MATERIALS AND EQUIPMENT

CONSUMABLE MATERIALS AND EQUIPMENT

<u>Page(s)</u>	<u>Program</u>
1-3	Art-1-6
4-9	Art 7-12
10-12	English/Language Arts
13	Health Education
14	Library Media Center
15	Music
16	Physical Education
17	Physical Education (Adaptive)
18	Social Studies
19	Science – K-3
20	Science – 4 th Grade
21-22	Science - 5 th - 6 th Grade
23-24	Science - Secondary (Life Science)
25	Science - Secondary (Earth Science)
26-27	Science - Secondary (Physical Science)
28-29	Science - Secondary (Biology)
30-31	Science - Secondary (Chemistry)
32	Science Secondary (Physics)
33-34	Health Services

ART

1 – 6

- Stapler, regular paper – 3 to 4 per art room.
- Stapler, heavy duty for 25 sheets or more of paper – 1 per art room.
- Staple Gun – 1 per art room.
- Rulers
 - 12" wooden – classroom set
 - 18" metal – 10 per art room
 - Yard sticks/meter sticks – 5 per art room
- Safety Compasses – classroom set
- Scissors
 - Student safety scissors with blunt ends – classroom set
 - Adaptive scissors for special needs students – assorted styles for both left and right handed students
- Pencil Sharpener – minimum of 2
- Paper crimpers: assorted patterns
- Brayers for printing
- Resource materials
 - Books on art techniques, cultures, & periods of art.
 - Art reproductions: prints and models
- Art software
- Hard wood clay rollers
- Clay modeling tools
 - Assorted styles – classroom pack or 10 sets per class.
- General teacher supplies
 - Matt cutter
 - Hammer
 - Screw drivers
 - Large scissors
 - Exacto knives
 - Mat knives
 - Light box
 - Reusable adhesive
- Kraft paper 36" x 1000' brown
- Poster Paper 36" x 1000' white
- Clay – Pre-mixed 50 lb. Package low-fire clay
- Low fire glazes/stains or non-fire able paints
- Low temp glue sticks (for hot glue gun) 100 stick cartons – 2

- Amounts needed are per school unit of 25 students.
- Papers

White	12" x 18"	60 lb.- 2 reams
White	18" x 24"	60 lb. – 2 reams
Newsprint	12" x 18"	- 3 pounds
Construction	12" x 18"	assorted colors – 20 packages
Watercolor	12" x 18"	90 lbs – 5 pads
Corrugated	12" x 18"	assorted colors – 2 packages
Tissue Paper	18" x 24"	assorted colors – 1 package
- Crayons – wax

48 colors regular type	– 25 boxes
8 colors anti roll type	- 6 boxes
8 color jumbo size	- 6 boxes
- Crayons – oil (oil pastel, craypas)

8 color box	25 boxes
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- Markers (water based)

8 Basic colors pack	- 10 packages
8 Tropical colors pack	- 10 packages
8 Flesh colors pack	- 10 packages
Florescent colors pack	- 10 packages
- Chalk/Pastels

12 color pack	- 12 packages
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- Colored pencils

24 color pack	12 packages
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- Paints

Water color sets	- 8 colors	25 sets
Tempera (liquid)- Primary & Secondary colors	– 1 pint each color	
Tempera (liquid) – Black & White	2 pints each color	
Finger-paint Primary & Secondary colors	- 1 pint each color	
Block-Dry Tempera	- 32 assorted colors	
- Glue

White water-soluble, 8 oz bottle	25 bottles
Colored when wet dries clear 8 oz bottle	3 bottles
Glue sticks	25 sticks
Glitter glue assorted colors, 8 oz bottles	12 bottles
Glue dots	6 boxes
- Wheat paste – dry power or pre-mixed carton 10 pounds
- Poster board

White 22" x 28"	25 sheets
White 22"x28"	25 sheets
Metallic 28" x 28"	10 sheets
- Mat Board

White 20x 32"	10 sheets
White 40" x 32"	10 sheets
- Brushes

Brush watercolor	#7 round	25 brushes
Brush watercolor	#12 round	25 brushes

Brush watercolor	#20 round	25 brushes
Brush	¼ inch flat	25 brushes
Brush	¾ inch flat	25 brushes
Brush	½ inch flat	25 brushes
Brush	1- inch flat	25 brushes

Adaptive grip brushes: assorted sizes and types.

- Paint pallets 25
- Jars for liquid paint 40
- Ink
 - India, 2 oz bottles 10 bottles
 - Printing 8 oz tubes, Primary & Secondary colors 2 tubes of each
 - Printing 8 oz tubes, Metallic colors 3 tubes of each
- Soft-Kut printing blocks – 3" x 5" 25
- Linoleum Cutters 30
- Paper hole punches 25
- Staplers 25
- Modeling clay 8 boxes
- Sponges for cleaning 10
- Pipe cleaners 2 boxes
- Q-Tips 2 boxes
- Rubber bands 1 large package

ART

7-12

- Aprons or Smocks of assorted sizes – enough to provide protection for each student.
- Tape dispensers for different types of tape i.e. transparent, masking, paper- 3 to 4 per art room.
- Stapler, regular paper – 3 to 4 per art room.
- Stapler, heavy duty for 25 sheets or more of paper – 1 per art room.
- Staple Gun – 1 per art room.
- Rulers/T squares/Angles
 - 12" wooden – classroom set
 - 18" metal – 10 per art room
 - 24" metal – 10 per art room
 - Yard sticks/meter sticks – 5 per art room
- Safety Compasses – classroom set
- Safety Goggles
- Templates
 - Geometric shapes, assorted sizes – 10 to 12 sets per art room
- Scissors
 - Adult shears with 6" blades – classroom set
 - Adaptive scissors for special needs students – assorted styles for both left and right handed students.
 - X-acto knives/box cutters
- Glue Gun
- Mirrors
 - Demonstration
 - Hand-held
- Shrink-wrap machine supplies
- Matt cutter
 - Self-healing cutting surface
- Drawing Boards
- Pencil Sharpeners
- Adequate supply of videos and DVDs on appropriate levels of instruction:
 - Art techniques
 - Art history

- Art software for use in the art room and installed in computer labs.
 - Photo shop
 - Illustrator
 - PageMaker
 - Quark
 - Other titles appropriate for the level of students.
- Miter box with saw
- Saws:
 - Coping saw
 - Hacksaw
 - Power jig saw
- Hand tools:
 - Hammers
 - Screwdrivers
 - Pliers
 - Wire cutters
- Containers of assorted sizes
 - Plastic for mixing different types of dry medium with water
 - Metal for melting or softening waxes
- Wedging board
- Slab roller
- Clay-Ware trucks
- Pug mill
- Hard wood clay rollers – 5 per class
- Clay modeling tools
 - Assorted styles- classroom pack or 10 sets per class.
 - Clay cutters
- Clay buckets on wheels
- Felting knives
- Clay gun
- Loop end tools
- Extruding mill
- Scrapers
- Calipers

- Toggle cutters
- Decorating wheels
- Clay paddles
- Crock Pot or electric skillet to melt wax for clay resists techniques
- General For all Classrooms
 - Paper assorted sizes and weights including white sulphite, construction, manila, watercolor, rice, pastel, printing
 - Pencils including colored, ebony, variety of different graphite pencils
 - Pastel
 - Paints including watercolor, tempera, gouache, acrylic, oils
 - Assorted charcoals including vine, stick, pencil
 - India ink
 - Markers
 - Glue
 - Glue sticks
 - Shrink-wrap film
 - Mat board
- Computer Technology
 - Paper
 - Ink for printer
- Photography
 - Developing fluids
 - Printing paper
 - Purified water
 - Film
- Ceramics
 - Clay
 - Glazes
 - Wax
- Mosaics and Stained Glass
 - Mosaic tiles
 - Stained glass sheets
 - Lead or copper
 - Solder
 - Grout
 - Adhesives
- Enameling
 - Copper pieces or sheets
 - Enamel colors
 - Brushes
 - Threads and lumps
 - Scalex or salt

Steel wool
Sifters

- Jewelry
 - Wax
 - Investment
 - Cuttle fish bones
 - Metal pellets/ingots
- Fiber Art
 - Fabric
 - Wax
 - Assorted dyes
 - String
 - Various yarns
- Basketry
 - Assorted reeds
 - Dyes
 - Nails
- Printmaking
 - Linoleum
 - Wood
 - Inks
 - Printmaking paper
 - Copper, zinc, aluminum plates
 - Foam printing plate
 - Acids
- Sculpture
 - Paper mache'
 - Clay
 - Armature materials
 - Wood scraps
 - Masking tape
 - Wheat paste
 - Paper
- PHOTOGRAPHY
 - Enlarger
 - Tongs
 - Chemical storage jars
 - Cameras (35mm SLR)
 - Assorted lenses (wide angle, close-up, telephoto)
 - Safety Aprons
 - Hanging lines with clips
 - Tripods
- CERAMICS
 - Clay tools
 - Bobbin winders
 - Irons
 - Vats or tubs

Sponges
Tjanting tools
Grommet punches
Felting needles
Clamps

- BASKETRY
 - Wooden boards
 - Awls
 - Clamps
 - Reed gauge
 - Reed cutters
 - Dyeing vat

- SCULPTURE
 - Paper mache'
 - Clay
 - Armature materials
 - Wood scraps
 - Masking tape
 - Wheat paste
 - Paper

- PRINTMAKING
 - Brayers
 - Linoleum cutters
 - Burnisher
 - Felt Blankets
 - Printing press
 - Glass plates for inking
 - Spatula
 - Wood cutting tools
 - Acid trays

- MOSAICS and STAINED GLASS
 - Tile nippers
 - Glass cutters
 - Mosaic molds
 - Trowels for grout
 - Soldering irons with stands

 - Needle nose pliers
 - Copper foil dispensers

- COOPER ENAMELING
 - Fireproof board
 - Screens
 - Scrolling tools
 - Jewelry saws and blades
 - Metal hole cutter

- JEWELRY
 - Grinder

Polishing wheel
Tweezers
Jewelry drill
Jewelry pliers
Jewelry saws
Jewelry files
Beading looms
Bench pins
Metal punch
Metal embosser
Soldering irons with stands
Centrifuge
Crucibles
Ring mandrel
Toaster oven
Heat-resistant sheet
Star stilts

- FIBER ART
 - Looms
 - Floor looms, cardboard looms
 - Warping boards
 - Shuttles
 - Bobbins

ENGLISH/LANGUAGE ARTS

K- 4

- Group sets of reading materials (supplemental to textbooks)
- Instructional DVDs, CDs and videotapes
- Reading Incentive Program software and supplemental materials w/updates
- Good class set of hardback dictionaries
- Instructional games and manipulatives
- Instructional charts for ELA
- Laminator film

ENGLISH/LANGUAGE ARTS

5 – 8

- Group sets of reading materials (supplemental to textbooks)
- Instructional DVDS, CDs and video tapes
- Reading Incentive Program software and supplemental materials w/updates
- Good class set of hardback dictionaries and thesauruses
- Instructional games and manipulatives
- Instructional charts for ELA
- Laminator film

ENGLISH/LANGUAGE ARTS

9 – 12

- Dry erase boards on at least two walls of the classroom
- Bulletin boards and cork strips for display space
- Classroom sets of reading materials (supplemental to textbooks)
- Instructional DVDs, CDs and videotapes
- Reading Incentive Program software and supplemental materials w/updates
- Good class set of hardback dictionaries
- Classroom set of hardback thesauruses
- Classroom sets of a poetry anthology
- Classroom set of Norton Anthologies
- Instructional charts for ELA
- Laminator film

HEALTH EDUCATION

K-12

- Posters (informational, charts, flipcharts etc.)
- Videos

LIBRARY MEDIA CENTER

K – 12

- Dry-erase board
- Felt board (elementary school)
- Minimum of 1 set of puppets (elementary school)

MUSIC

K – 12

- Adopted textbooks (CDs Teacher's editions and references for each grade level).
- Copy of music framework
- Computer software (Notation/Sequencing)
- Music instructional videos and DVDs
- Reference Recordings and Books
- Sheet Music (including solo, choral, and instrumental literature) in reasonable quantities for the class being taught
- Individual Music Folders for students

PHYSICAL EDUCATION

K-12

- Mats – small and large- 1 small per 2 students and 1 large per six students
- Bean bags – 1 per student
- Scarf sets – 1 scarf per student
- Deck rings – 1 per 2 students
- Small balls – nerf – 1 per 2 students
- Balls – soccer, football, basketball, volleyball, softball, playground- age appropriate sizes – 1 per 2 students
- Parachutes – small and large – 1 large per 30 students & 1 small per 12 students
- Bats – softball & baseball – age appropriate sizes
- Nets – badminton and tennis – 1 net per court
- Scrimmage vests for team play – 1 per student
- Golf clubs, tees, balls, whiffleballs – 1 wood, 1 iron, 1 putter per student, 1 practice tee box, 1 practice putting area per 2 students
- Strength Bands/cords- 1 medium & 1 heavy band per student
- Hula hoops – 1 per student
- Tossing and catching equipment – 1 set per 2 students
- Fun Noodles – 1 per 2 students
- Portable soccer goals, basketball goals, bases
- Rhythm sticks- 1 pair per student
- Beach balls – 1 per 2 students
- Scooters – 1 set of 30 per building
- Frisbees – 1 per 2 students
- Flag football belts and flags - 1 belt with flags per student
- Pillow Polo 2 color set

PHYSICAL EDUCATION

K-12 (ADAPTIVE)

- Bean Bag Zoo
- Biggie Frog
- Body Sox
- Bump Balls
- Checker Bat Pro
- Chuckit
- Dura Beep Ball
- Float-R
- Jingle Trainer
- Jurassic Eggs
- Nebula Track
- Para Strip
- Sensational Ball
- Shoot Chute
- Spider Ball
- Success Ball
- Tech Tack Balls
- Super Grip
- True Grip Bowler
- Volleyball – XL
- Modified Golf Clubs – 1 wood, 1 iron, 1 putter per student
- Modified Bats
- Modified Rackets

SOCIAL STUDIES

K-12

- Video library (subject related)
- Maps (subject appropriate and up to date)
- Teacher work supplies (i.e., legal pads, pens/pencils, etc.)
- K-8 subject related classroom libraries
- Classroom set of textbooks (make sure to include at least one large print book for visually impaired students)
- Classroom set of dictionaries (set of 8-12)
- Classroom set of current atlases (one per student)
- Classroom set of workbooks for appropriate specialized areas (i.e., Presidents, civil rights history, history of holidays, etc.)
- Current desk maps for students (appropriate subjects)
- Scantron and answer documents
- Current globes (free standing) for appropriate subjects (political and physical)

SCIENCE

K-3

- First aid kit
- Anatomy apron - teacher
- Cleaning brush & dust pan (1 per 4 students)
- Eyedroppers (25)
- Flashlights (1 per 2 students)
- Funnels (assorted sizes- 10)
- Graduated beaker sets - (plastic - 5)
- Graduated cylinders (assorted - 6)
- Buckets (2)
- Colored pencils (class set)
- Dish drainer
- Extension cord / power strip (number as needed)
- Alka-Seltzer tablets
- Aluminum foil
- Aquarium filters
- Animal food
- Baking soda
- Batteries (sizes as needed)
- Balloons
- Construction paper
- Colored pencils (class set)
- Food coloring
- Glue/glue sticks
- Gravel /small rocks
- Masking tape
- Modeling clay
- Paper (computer printer)
- Safety posters
- Paint brushes (1 per student)
- Plastic containers bowls
- Plastic pitchers /containers for pouring
- Plastic tubing
- Pot holders
- Safety posters
- Scissors (class set)
- Spoons (metal – 1 per student)
- Tool box (hammer, screw drivers, box opener, etc.)
- Transparencies or posters (human body, plants, senses, trees, weather, animal, etc.)
- Weights (metric and English)
- Paper clips
- Plaster of Paris
- Plastic cups
- Plastic gloves
- Pipe cleaners
- Potting soil
- Straws
- Tempera paint
- Tissue paper
- Various seeds
- Wax paper
- Ziploc bags
- Printer ink
- Other consumables as needed to support frameworks and benchmarks

SCIENCE

4TH

- Alka-Seltzer tablets
- Aluminum Foil
- Animal food
- Apron (1 student)
- Baking soda
- Balloons
- Batteries (as needed)
- Bottle/test tube brushes (assorted)
- Broom
- Brush and dustpan sets (4)
- Buckets
- Colored pencils (class set)
- Construction paper
- Dish drainer
- Dry erase markers and erasers (class set)
- Extension cord/power strip
- Eyedroppers
- Flashlights (1 per student + teacher)
- Food coloring
- Funnels (assorted sizes – 20)
- Glue/glue sticks
- Graduated beakers sets – (plastic – 1 per 2 students)
- Graduated cylinders (1 set per 4 students)
- Iron Filings
- Litmus paper
- Magnets (Assorted- 1set per 2 students)
- Magnets (classroom demo set)
- Magnifier boxes (1 per student)
- Magnifying glasses (1 per student + teacher)
- Marbles (various sizes)
- Masking tape
- Meter sticks (1 per student)
- Metric Measuring tapes (1 per 2 students)
- Tool box (hammer, screw driver, pliers)
- Tooth picks
- Transparencies or posters (human body, plants, senses, trees, weather, animal
- Microscope slides (100)
- Microscope slides (prepared of insects, hair, etc)
- Mineral sample set (1 per 4 students)
- Mirrors (1 per student)
- Modeling clay
- Other consumables as needed to support frameworks and benchmarks
- Paper plates
- pH paper
- Pipe cleaners
- Plaster of Paris
- Plastic containers/bowls
- Plastic cups
- Plastic gloves
- Plastic pitchers/containers for pouring
- Plastic spoons
- Plastic trays (1 per 2 students)
- Plastic tubing
- Pot holders
- Potting soil
- Printer ink
- Prisms (glass- 1 per 2 students)
- Rain gauge
- Rock sample sets (1 per 4 students)
- Rubber balls (assorted 1 per student)
- Safety posters
- Scissors (class set)
- Straws
- String
- Test tube racks – 1 per 2 students
- Test tubes (various sizes)
- Thermometers (F & C 1 per student)
- Tissue paper
- Tongs
- Various seeds

SCIENCE

5TH – 6TH

- Broom/brushes/dust pans for clean-ups
- Fire blanket
- First aid kit
- Laboratory grade aprons (1 per student + teacher)
- Laboratory safety posters/charts
- MSDS list folder
- Plastic hot hands or hot gloves
- Solid waste disposal containers
- Chemical/biological waste disposal containers
- Waste disposal containers for glass
- Acetate sheets
- Alcohol, isopropyl (8 bottles per teacher)
- Balls, hard rubber (1 inch), steel (1 inch), tennis, Golf (1 each per 2 students)
- Battery jars
- Beakers sets, pyrex (1000ml, 600 ml, 400 ml, 250 ml, 100 ml, 50ml) (1 set per 4 students)
- Beaker sets (plastic – 1 per 2 students)
- Beaker tongs (1 per 2 students)
- Blocks, wooden square and rectangular in Assorted sizes
- Brushes, assorted test tube sizes
- Capillary tubes
- Charts (weather, rocks, minerals, astronomy, periodic table, metric, si measuring system),
- Clamps (1 per 2students),
- Clear glass plates and streak plates (28 of each),
- Compasses, drawing (1 per 2 students),
- Compasses, magnetic (1 per 2 students)
- Convection box
- Corks (50 in assorted sizes),
- Cotton towels
- Cover slips (2 pkg. Per teacher each year)
- Crystal kits
- Culture tubes & caps (20 x 200 mm) (2 per student)
- Diffraction gratings, framed (1 per student)
- Dipnets for field studies (1 per 4 students)
- Dissection kits (1 per 2 students),
- Dissecting trays (1 per 2 students)
- Dissecting pins 2 boxes
- Droppers, plastic (100)
- Dropping bottles (100+)
- Evaporating dishes (1 per 4 students)
- Extension cords, heavy duty (as needed)
- Electric circuit materials - class set (alligator clips, light bulbs with bases, insulated wire, switches, batteries, bells, rheostats, bulbs, motors, and resistors, etc.)
- Electrostatics cloths (silk, wool, fur)
- Filters for light (1 set of colors per 4 students),
- Flashlights, narrow beam (1 per 2 students)
- Flasks with stoppers 250 ml (1 per 2 students),
- Foam balls
- Forceps , biological, chemical (1 per 2 students)
- Fossils (plastic or natural) Arkansas specific
- Friction rods of various types (1 per 2 students)
- Friction plates (1 per 2 students)
- Funnels, short stem plastic (15 assorted sizes)
- Genecons (1 per 2 students),
- Glass squares (1 per 2 students)
- Glass and plastic stirring rods (30 each),
- Graduated cylinders (30 each - 10ml, 25ml, 50ml, 100ml),
- Gyroscopes, student type (1 per 2 students)
- Inclined planes (1 per 2 students)
- Insect nets (1 per 2 students)

- Insect pins (2 boxes per teacher)
- Insect magnifying boxes (1 per student)
- Iron filing
- Lens holders for meter sticks (1 per 2 students)
- Magnets (1 set of assorted sizes per 2 students)
- Magnifiers (1 per student)
- Maps (biomes, topographical, retractable wall maps of North America and world, 1 world globe per 4 students)
- Meter sticks (1 per student)
- Meter stick sliding screw clamps (1 per 2 students)
- Meter stick support stands (1 per 2 students)
- Metric tape (50 meter – 1 per 2 students),
- Microscope slides (1 large box per teacher per year)
- Microscope slides, concave (1 per student)
- Microscope slides (prepared of insect, hair, blood, cells, etc.) (1 set per 4 students)
- Mineral identification sets (1 per 2 students)
- Mirrors (1 assorted set per 2 students),
- Models (cell, celestial globe, crystal shapes, ear, eye, flower, heart, human torso, land form, lung demonstration, mitosis/meiosis, planetarium, skeleton, etc.)
- Mortar and pestles (1 per 4 students)
- Overflow can sets (1 per 4 students)
- Petri dishes, pyrex and plastic disposable
- Pins, straight (2 pkg.)
- Pith balls (1 per 2 students)
- Plant presses (1 per 2 students)
- Plastic wash bottles (1 per 2 students)
- Plastic lab trays (1 per student) (lunchroom style)
- Preserved classification specimens (assorted)
- Prisms (1 per 2 students), equilateral glass
- Protractors (1 per student)
- Pulleys, single sheave (1 set of single, double, & triple per 2 students)
- Ring stands each with large and small rings, rods, and universal clamps (1 per 2 students)
- Rock identification sets (1 per 2 students)
- Rocks & minerals of AR (1 set per student - free, Ar geological commission)
- Rocket launchers for plastic bottle rockets (1 per 6 students)
- Rubber stoppers (25 each of assorted sizes)
- Rubber tubing (assorted diameters and lengths)
- Rulers - metric, standard (1 per student)
- Safety chart
- Scissors (class set)
- Sieve (screen boxes) (1 per 2 students)
- Simple machines (1 of each),
- Solar cell kit (1 per 2 students)
- Spatula, scoop type (1 per 2 students)
- Spectrum tube power supply and holder
- Spectrum tubes : hydrogen, mercury, neon, nitrogen, sodium
- Star finders (1 per student)
- Stoppers, rubber and cork (assorted sizes)
- Storage containers, clear plastic to sort and store supplies
- Streak plates (1 per student)
- Strainers (plastic, various sizes)
- Test tube racks , (1 per student),
- Test tube holders, clamps (1 per student)
- Test tube/bottle brushes (assorted)(4 sets)
- Test tubes (assorted sizes)
- Thermometers (15 °f & 15 °c),
- Thermometers; celsius, oral with disposable covers (1 per 4 students)
- Tongs, beaker (1 per 2 students)
- Tuning forks (1 set per 4 students)
- Wash bottles (plastic)
- Washers, metal - assorted sizes
- Wave springs (1 per 4 students)
- Weight/mass (1 set per 2 students) (english and metric)
- Wind vane
- Wire gauze, ceramic center
- Wire, copper insulated (16 gauge, 18 gauge)

Glycerin, baking soda, flour, sand, straws, plastic spoons, styrofoam cups, paper plates, bleach, ammonia, vinegar, flour, sugar, sugar cubes, pipe cleaners, rubber bands, salt, laundry detergent, borax, steel wool, string, twine, fishing line, yarn, toothpicks, colored pencils (class set), cotton balls, cotton swabs, syrup, yeast, bar soap, cooking oil, hydrogen peroxide, iodine, plastic storage containers, sandpaper, litmus paper, pH paper, PTC paper, potting soil, printer ink, seeds, graph paper, wax glass marking pencils, dowel rods, wooden splints, dissection specimen, balloons, buckets, batteries, food coloring, glue.

SCIENCE

SECONDARY (LIFE)

- Broom/brushes/dust pans for clean-ups
- Fire blanket
- First aid kit
- Laboratory grade aprons (1 per student + teacher)
- Laboratory safety posters/charts
- MSDS list folder
- Plastic hot hands or hot gloves
- Solid waste disposal containers
- Chemical/biological waste disposal containers
- Waste disposal containers for glass
- Beakers sets, pyrex (2000ml, 1000ml, 600 ml, 400 ml, 250 ml, 100 ml, 50ml) (1 set per 4 students)
- Beaker sets (plastic – 1 per 2 students)
- Bowls, plastic (6 large, 48 cereal size)
- Buckets (2)
- Charts –classification, life systems - plant and animal, periodic table, cells, etc.
- Corks (assorted sizes)
- Dissection kits (1 per 2 students)
- Extension cords, grounded, 3 prong
- Eye droppers (100)
- Flasks with stoppers (1 per 2 students)
- Forceps (1 per 2 students)
- Funnels (assorted sizes)
- Glassware drain rack for test tubes, beakers and graduated cylinders
- Graduated cylinders (10, 25, 50, 100, 1000 ml) (1 set per 2 students)
- Magnifying glasses (1 per student)
- Meter sticks (1 per student)
- Mortar and pestle (1 per 2 students)
- MSDS list folder
- Pitchers, plastic 1/2 gallon (1 per 2 students)
- Plants, assortment
- Plankton nets (1 per 3 students)
- Prepared slide assortment (1 set per 2 students)
- Preserved specimens (animal survey set)
- Rubber tubing (assorted sizes)
- Rubber stoppers (assorted sizes)
- Scissors (class set)
- Strainers (1 per 2 students)
- Tape measures (1.5 meter – 1 per 2 students)
- Tape measure (50 ft.- 1 per 3 students)
- Test tubes (assorted sizes)
- Test tube racks (1 per student)
- Test tube holders (clamps), wire (1 per student)
- Thermometers, lab grade, °F and °C combination (1 per student)
- Thermometers - celsius, oral with plastic covers (1 per 2 students)
- Tool box, (hammer, phillips and standard screwdrivers, file, pliers, box cutter, etc.)
- Trays, large plastic, round or rectangular (1 per student)
- Stirring rods (30)
- Order annually or as needed from Science Catalogs or purchase locally:
- Acid - base indicators (bromthymol blue, Benedict's solution, phenolphthalein, ph paper - hydrion, red and blue litmus paper, ph pencil, universal solution)
- Agar, nutrient
- Animal and fish food /other maintenance supplies as needed
- Bromthymol blue
- Cover slips (2 pkg. per teacher per year)
- Colored pencils (class set)
- Disposable gloves for dissections

- Dissection and observation specimens (owl pellets, preserved animals, planaria, hydra, daphnia, chlorella, euglena, elodea, others as needed + flowers/plants/live earthworms which may be obtained locally)
- Filter paper
- Gram stain
- Iodine/iodine stain
- Isopropyl alcohol (70% and 90%)
- Lens paper
- Petri dishes, Pyrex - plastic disposable (150)
- Plant food and other plant supplies as needed
- Protozoan slowing solution
- Printer ink
- PTC paper (4 boxes)
- Seeds
- Slides (2 boxes)
- Wax pencils (2)

Masking tape, wax paper, aluminum foil, plastic wrap, ziplock bags in assorted sizes, paper plates, paper/plastic cups, styrofoam cups, straws, balloons, toothpicks, plastic spoons, (grocery items as needed), fishing line, string, twine, yarn, cotton balls, cotton swabs, potting soil.

SCIENCE
SECONDARY (EARTH)

- Fire blanket
- First aid kit
- Laboratory grade aprons (1 per student + teacher)
- Laboratory safety posters/charts
- MSDS list folder
- Plastic hot hands or hot gloves
- Solid waste disposal containers
- Waste disposal containers for glass
- Beakers sets, pyrex (2000ml, 1000ml, 600 ml, 400 ml, 250 ml, 100 ml, 50ml)(1 set per 4 students)
- Beaker sets (plastic – 1 per 2 students)
- Broom
- Brush and dust pan sets (4)
- Charts (weather, rocks, minerals, astronomy, periodic table, plate tectonics, clouds, geologic time, earth's forces, safety, etc)
- Clamps (1 per 2students)
- Crucibles and covers (1 per 2 students)
- Dropper bottles (100)
- Evaporating dishes (1 per 2 students)
- Eye droppers (100)
- Flask (erlenmeyer and florence – 125, 250, 500 ml) (1 set per 2 students)
- Forceps (1 per 2 students)
- Fossil kit (2)
- Funnels (1 per 2 students)
- Glass tubing 5 or 6mm (25 ft.)
- Glass squares (1 per student)
- Glass stirring rods (1 per student)
- Graduated cylinders (10, 25, 50, 100 ml) (1set per 2 students)
- Magnets (1 set per student)
- Magnifier (1 per student)
- Meter sticks (1 per student)
- Mineral identification kits (1 per 2 students)
- Mineral samples (various for testing)
- Mortar and pestles (1 per 2 students)
- Ringstand and rings (1 per 2 students)
- Rock samples (various for testing)
- Rubber tubing - assorted diameters
- Spatulas (1 per 2 students)
- Stoppers – rubber/cork (assorted sizes)
- Streak plates –black and white (1 each per student)
- Test tubes (assorted sizes)
- Test tube racks (1 per 2 students)
- Test tube and bottle brushes, assorted
- Soil test kits (1 per 4 students)
- Wire gauze

Printer ink, colored pencils (class set), filter paper, styrofoam cups, sand, salt, diatomaceous earth, glue, charcoal, various wire, bluing, Epsom salts, copper sulfate, paper plates, dish soap, borax, wax marking pencils, hydrochloric acid, graph paper, food coloring, baking soda, vinegar, chalk, lime, cornstarch, ziplock bags, wax paper, aluminum foil, sea shells, modeling clay, (listed).

SCIENCE
SECONDARY (PHYSICAL)

- Acid/base carrying containers
- Alligator clips (20)
- Beakers – heatable type --pyrex or other lab grade (50, 100, 150, 250, 500, 600, 1000ml) (1 set per 2 students)
- Beakers, plastic (1 set per 2 students)
- Beral pipettes (100)
- Boom apparatus
- Bottles (gas collecting, reagent) (1 each per student)
- Broom/dust pan for clean-ups
- Burettes (25 ml and 50 ml) (1 per 2 students)
- Ceramic pads (1 per 2 students)
- Chemical absorbing/disposal containers
- Compasses, directional (1 per 2 students)
- Cork borer, variety of diameters (2 sets)
- Corks (20 each assorted sizes to match flasks/test tubes)
- Crucibles and covers (1 per 2 students)
- Deflagrating spoons (1 per 2 students)
- Electrostatics cloths (silk, wool, fur – 1 each per 2 students)
- Evaporating dishes (1 per student)
- Eye droppers (50)
- Filter paper (12 boxes assorted grades/sizes)
- Filters, colors (1 set per 4 students)
- Fire blanket
- First aid kit
- Flasks, lab grade/heatable (erlenmeyer and florence - 125, 250, 500, 1000 ml) (1 set per 2 students)
- Forceps (1 per 2 students)
- Friction rods (6 of various types)
- Funnels (1 per 2 students)
- Glass plates squares (1 per student)
- Glass stirring rods (24)
- Glass tubing (assorted sizes -15 ft.)
- Glass tubing 5 or 6mm (25ft.)
- Graduated cylinders (glass with collar/base 10, 50,100 ml) (1 set per 2 students)
- Hot mitts (1 per 2 students)
- Laboratory grade aprons (1 per student)
- Laboratory safety posters/charts
- Lenses holders (1 per 2 students)
- Level holders (1 per 4 students)
- Magnets, assorted sizes (1 set per 2 students)
- Magnifiers (1 per student)
- Manometers (1 per 2 students)
- Meter sticks (1 per student)
- Metric tape (1 - 50 m)
- Mirrors, assorted (1 set per 2 students)
- Mortar and pestles (1 per student)
- MSDS list folder
- Pipestem triangles (1 per 2 students)
- Pipettes and bulbs (1 per 2 students)
- Pith balls (1 per 2 students)
- Plastic "hot hands" or hot gloves
- Plastic trays (1 per student)
- Plastic wash bottles (1 per student)
- Radioactive material set
- Resonance tubes (1 per 4 students)
- Ring stands with iron rings, rods, clamps (1 per 2 students)
- Rubber balls (assorted 12)
- Rubber corks (30 assorted 1-hole, 2-hole, 3-hole matching flasks)
- Rubber stoppers (50 in assorted sizes)
- Rubber tubing (40 ft.),
- Safety, common procedures, periodic table, newtons' forces, etc.
- Scissors (class set)
- Shot, metal (Cu, Pb, etc.)
- Slinky (1 per 2 students)
- Solar cell kit (1 per 4 students)
- Solenoids (1 per 2 students)
- Solid waste disposal containers
- Spatulas (1 per 2 students)
- Spectrum tube power supply
- Spectrum tubes (1 per 4 students)

- Spill buckets (4)
- Switches (1 per 2 students)
- Test tube and bottle brushes (12 assorted sizes)
- Test tube racks, 10 capacity (1 per 2 students)
- Test tubes, glass/ heatable (120 assorted sizes)
- Thermometers ($^{\circ}\text{F}$ and $^{\circ}\text{C}$) (1 per student)
- Thistle tubes (1 per student)
- Tongs- test tube, beaker (1 each per 2 students)
- Triangular files/glass tubing cutter (1 per 4 students)
- Tuning forks (1 set per 4 students)
- Vernier calipers (1 per 4 students)
- Watch glasses (1 per student)
- Well plates (1 per 2 students)
- Wing tips for burners (1 per 2 students)
- Wire -- in various gauges
- Wire gauze with ceramic center (1 per 2 students)

Common acids, common bases, copper sulfate, lead nitrate, sugar, salt, Alkaseltzer, lime, calcium chloride, charcoal, manganese dioxide, paraffin candles, distilled water, hydrogen peroxide, isopropyl alcohol, ethanol, sodium bicarbonate, vinegar, indicators – (pH, bromothymol blue, phenolphthalein, litmus, and iodine), wooden splints, aluminum metal (foil/sheeting), copper metal, lead metal, zinc metal, magnesium ribbon, electrical tape, clear tape, wax marking pencils, paper labels, glue/glue sticks, supply of batteries as needed, battery recharger, etc.

SCIENCE

SECONDARY (BIOLOGY)

- Broom/dust pan for clean-ups
- Fire blanket
- First aid kit
- Laboratory grade aprons (1 per student)
- Laboratory safety posters/charts
- Agar, nutrient
- Antibiotic discs – 3 each of the following: aureomycin, chloromycetin, penicillin, streptomycin, tetracycline, terramycin
- Aprons, laboratory (1 per student)
- Aquarium nets (1 per 4 students)
- Autoclave
- Beakers sets, Pyrex (2000ml, 1000ml, 600 ml, 400 ml, 250 ml, 100 ml, 50ml)(1 set per 4 students)
- Beaker sets (plastic – 1 per 2 students)
- Beakers, glass/heatable (50, 100, 250, 500, 1000 ml) (1 set per 2 students)
- Candles, (1 per 4 students)
- Clamps (1 per 4 students)
- Cellophane: blue, clear, green, red
- Charts –anatomical, cells, lab safety, Periodic table, mitosis/meiosis, etc.
- Cheesecloth
- Cork borer set
- Corks assorted sizes
- Cover slips (2 pkg.)
- Crucible and cover (1 per 4 students)
- Culture dishes- disposable and glass (1 each per student)
- Culture tubes (20 X 200 mm), screw top with caps
- Dessicators (2)
- Dialysis tubing (25 ft)
- Dip nets (1 per 2 students)
- Dissection specimens, (4 types of animals) (1set per 2 students)
- Dissecting pins
- Droppers, medicine (30)
- Dropping bottles (30)
- MSDS list folder
- Plastic hot hands or hot gloves
- Solid waste disposal containers
- Chemical/biological waste disposal containers
- Waste disposal containers for glass
- Filter paper
- Flasks (125, 250, 500, 1000 ml) (1set per 4 students)
- Forceps (1 per 2 students)
- Funnels (6 - assorted sizes)
- Glass tubing – assorted diameters
- Glass marking pencils (1 per 2 students)
- Graduated cylinders (10, 25, 50, 100ml) (1 set per 2 students)
- Hands lens (1 per student)
- Indicators - bromthymol blue, ph, litmus, phenolphthalein, methylene blue, phenol red, etc.
- Insect pins (2 boxes)
- Jars, large with lid (1 per 2 students)
- Lens paper
- Meter sticks (1 per student)
- Microscope slides – plain, concave (100)
- Mortar and pestle (1 per 2 students)
- Pans (large)
- Petri dishes (plastic) (1 per student)
- Pipe cleaners
- Pipette bulbs, rubber (12)
- Pipettes (5 and 10 ml) (24)
- Plastic tubing (25 ft)
- Preserving fluid
- Protractors
- Plankton nets (1 per 4 students)
- PTC control paper
- PTC paper
- Razor blades, single-edged
- Ring stands, rings, clamps, rods (1 per 2 students)
- Rubber tubing (assorted diameters)

- Rubber stoppers (assorted types –solid, 1, 2 holes assorted sizes matching test tubes/flasks)
- Rulers (1 per student)
- Scalpels (1 per 2 students)
- Scissors, blunt tip, dissecting, fine-point, heavy (1 per 2 students)
- Sieves (1 per student)
- Spatula (1 per 4 students)
- Stains- carmine red, congo red, crystal violet, gram, iodine
- Staining trays (1 per student)
- Stirring rods (1 per student)
- Sudan III
- Test tubes, large and small (assorted)
- Test tube racks, 8 capacity (1 per 2 students)
- Test tube holders (clamps) (1 per 2 students)
- Test tape for glucose
- Wash bottles (1 per student)
- Waterbath, (1 per 4 students)
- White sorting trays (1 per 2 students)
- Wire gauze (12 sq. Ft.).

Cotton swabs, cotton balls, cloth (absorbent), cheesecloth, wax paper, cellophane wrap, aluminum foil, distilled water, straws, yeast (dry), surgical gloves, sugar, salt, modeling clay, ethanol, isopropyl alcohol, hydrogen peroxide, matches, candles, seeds, charcoal, gravel, food coloring, potting soil, clay pots, sulfuric acid, hydrochloric acid, nitric acid, antacid tablets, vinegar, petroleum jelly, etc.

Field guides - flowering plants, trees/shrubs, aquatic plants, spiders, insects, butterflies, mammals, fish, tracks/skulls, birds, aquatic plants, reptiles/amphibians, aquatic invertebrates, research paper guides, scientific abstracts, scientific periodicals, dichotomous (identification) keys, biological reference reports, etc...

SCIENCE

SECONDARY (CHEMISTRY)

- Broom/dust pan
- Brushes/dust pan sets (1 per 4 students)
- Chemistry safety video
- Chemistry videos from ACS
- Fire blanket
- First aid kit
- Fume hood with front sash and properly vented exhaust
- Alligator clips (24)
- 10 ml graduated pipettes with pipette bulbs (1 per student)
- 20 l nalgene container for distilled water
- Aneroid (or digital) barometer (3)
- Beakers sets, pyrex (2000ml, 1000ml, 600 ml, 400 ml, 250 ml, 100 ml, 50ml)(1 set per 2 students)
- Beaker sets (plastic – 1 per 2 students)
- Bottles – gas collecting, reagent, etc. (1 each per student)
- Burettes (50 ml)(1 per 2 students)
- Candles (1 per 2 students)
- Ceramic centered wire gauze (1 per student)
- Chromatography paper
- Cloths pins (1 per student)
- Cork borer (2 sets)
- Corks and rubber stoppers (solid, 1- hole, 2-hole, 3-hole, assorted sizes to fit erlenmeyer flasks and test tubes)
- Crucibles and covers (1 per student)
- De-ionized water still with appropriate storage container for water
- Deflagrating spoons (1 per 2 students)
- Dewar flask-for demonstrations with liquid nitrogen
- Dropper pipettes or micropipet (500 plastic)
- Evaporation dishes (1 per student)
- Filter paper (assorted grades)
- Laboratory grade aprons(1 per student + teacher)
- Laboratory safety posters/charts
- MSDS list folder
- Plastic "hot hands" or hot glove)
- Chemical absorbing/disposal containers
- Solid waste disposal containers
- Flame testers, nichrome or platinum wire loops
- Flash lights (1 per 2 students)
- Funnels, assortment (1 per student)
- Geissler tube apparatus and hydrogen, neon, oxygen, chlorine, etc. tubes
- Glass stirring rods (1 per student)
- Glass slides (1 per student)
- Glassware: beakers - 50ml, 250ml, 400ml, 600ml, 1000ml (1set per 2 students)
- Graduated cylinders - 10ml, 50 ml 100 ml, 1000 ml, 2000 ml (1set per 2 students)
- Erlenmeyer flasks and Florence flasks - 50ml, 250ml, 400ml, 600ml, 1000ml (1 set per 2 students)
- Distillation flasks - 250 ml, 500ml (1 set per 2 students)
- Test tubes- heatable: class set -10 or 12 mm x 25 mm. Others: 13x100, 18x150, 25x200, etc
- Gas measuring tubes (50 ml)
- Glass squares (1 per student)
- Glass tubing/glass rod supply
- Gloves, plastic (1 pair per student)
- Hand lens (1 per student)
- Iron rings (1 per student)
- Indicators: BTB, BCG, BPB, MCP, TB, Sudan III, bromthymol blue, phenolphthalein, methyl red, methyl orange, universal, pH, litmus, etc.
- Leibig condenser tubes for distillations
- Magneburg spheres

- Metals – brass, lead, copper, iron, zinc, aluminum, etc. (density and specific heat determinations)
- Meter sticks (1 per student)
- Thin stem plastic pipet
- Pipet rack
- Mortar and pestle (1 per 2 students)
- Multimeters (1 per 2 students)
- Needle nose forceps (1 per 2 students)
- pH meters (1 per 2 students)
- Pinch clamps (1 per student)
- Pipestem triangles (1 per student)
- Pipe cleaners
- Plastic dropper bottles (60)
- Plastic or rubber tubing –assorted diameters
- Plastic petri dishes (1 per student)
- Plastic wash bottles (1 per 2 students)
- Plastic trays (1 per student)
- Pneumatic troughs (1 per 2 students)
- Polyethylpentene storage bottles (reagents) assorted sizes
- Polystyrene cups
- Reagent bottles (1 per student)
- Ring stands, rings, clamps, rods (1 per 2 students)
- Scissors (small pointed Fiskars) (class set)
- Scoops or spoons (1 per student)
- Single and double burette clamps (1 per student)
- Small scale reaction surfaces
- Tube clamps (1 per 2 students)
- Test tube brushes -assorted sizes
- Test tubes- heatable: class room set -10 or 12 mm x 25mm. Others: 13x100, 18x150, 25x200, etc.
- Thermometers (class set) non-mercury or digital thermometers only
- Thistle tubes (1 per 2 students)
- Tongs – beaker, test tube (1 each per 2 students)
- Triangular files/glass tubing cutters (1 per 2 students)
- Test tube racks (8 capacity) (1 per 2 students)
- Volumetric cups – plastic (1 per student)
- Watch glasses (1 per 2 students)
- Water testing kits (dissolved oxygen, dissolved solids, ph, ammonia , carbon dioxide, etc.)
- Wing tops for burners (1 per 2 students)
- Wire -copper, galvanized, steel wire
- Wire gauze – ceramic center (1 per student)
- Universal clamp (ring stand)

Batteries, assortment (AAA, AA, B, C & 6 and 12 volt as needed), battery charger, labels, wax marking pencil, pennies, paper towels, India ink, cooking oil, food coloring, balsa wood, cellophane tape, colored strips of tape, wooden splints, cotton swabs, plastic cups, sand, sugar, salt, ziploc bags, matches, color pencils, graph paper, coffee filter, chemicals (appropriate chemicals for labs that meet the science framework), chromatography paper, etc.

Physicians desk reference, abstracts in chemistry, chemical periodicals (JChem), solutions manual, bright line spectrum chart, etc.

SCIENCE
SECONDARY (PHYSICS)

- Broom/dust pan for clean-ups
- Fire blanket
- First aid kit
- Laboratory grade aprons(1 per student + teacher)
- Laboratory safety posters/charts
- Alligator clips (24)
- Beakers sets, pyrex (2000ml, 1000ml, 600 ml, 400 ml, 250 ml, 100 ml, 50ml) (1 set per 2 students)
- Beaker sets (plastic – 1 per 2 students)
- Blocks of wood
- Blocks of metal
- Bottles (12)
- Cathode ray tubes, assorted
- Clamps (20 assorted)
- Collision balls and apparatus (1 per 4 students)
- Deflection tube (1 per 6 students)
- Electrostatics cloths (silk, wool, cat, fur)
- Eye droppers (30)
- Filters (color sets) (1 set per 2 students)
- Fish line, nylon
- Flasks (Erlenmeyer and Florence 125, 250, 500 ml) (1 set per 2 students)
- Forceps (1 per 2 students)
- Friction rods (6 of various types)
- Glass tubing (assorted diameters)
- Graduate cylinders (10, 50, 150, 250, 500, 1000 ml) (1 set per 2 students)
- Lenses (plain, curved, polarized, & colored (1 set per 4 students)
- MSDS list folder
- Plastic "hot hands" or hot gloves
- Chemical absorbing/disposal containers
- Solid waste disposal containers
- Level holders (1 per 4 students)
- Magnets (sets of assorted sizes) (1 set per 2 students)
- Magnifiers (1 per student)
- Meter sticks (1 per 2 students)
- Metric tape (1- 50 m)
- Mirrors (1set per 4 students)
- Pith balls (1 per 2 students)
- Radioactive material set
- Ringstands –rings, clamps, rods (1 per 2 students)
- Ripple tank
- Rockets (Estes) and glider planes (1 each per 4 students)
- Rubber balls (assorted 12)
- Rubber tubing (20 ft.)
- Rubber corks (30 assorted)
- Scissors (class set)
- Semiconductors (1 per 2 students)
- Shot (Cu, Pb, etc.)
- Slinky (1 per 2 students)
- Twine, nylon
- Wire in various sizes (30 ft.)

Batteries – assorted sizes as needed, battery charger, glass jars, chalk, dowel rods, string, plywood, wire, cups, graph paper, buckets, marbles, oil, alcohol, peroxide, etc.

Scientific periodicals, physics abstracts, laws/formulas chart, conversion charts, bright line spectrum charts, etc.

HEALTH SERVICES

K-12

- Bandages, including adhesive and elastic, of various types and sizes
 - Gauge pads (nonstick) of various sizes
 - Tapes of various widths, hypoallergenic
 - Alcohol
 - Peroxide
 - Basins (emesis, portable wash)
 - Cold packs
 - Cotton-tip applicators
 - Cotton balls
 - CPR mask (pediatric and adult)
 - Dental floss
 - Disinfectant for surfaces and spills
 - Disposable gowns
 - Eye irrigating bottle
 - Eye pads
 - Eye wash solution
 - Fingernail clippers
 - Vinyl gloves
 - Magnifying glass
 - Masks
 - Paper cups
 - Paper towels
 - Plastic bags (small and large, resealable)
 - Roll paper for cots or examination table
 - Record forms (emergency cards, logs, medication sheets, accident reports, state forms)
 - Safety pins
 - Feminine sanitary products
 - Scissors
 - Slings and/or triangle bandages
 - Soap (in dispenser)
 - Assorted splints
 - Tissues
 - Tweezers
 - Disposable washcloths
 - Benadryl gel
 - First aid emergency pack for required trained personnel
 - Glucose gel/cake icing
 - Steri-strips
 - Contact lens saline
 - Hand lotion
 - Visine
 - Vaseline
 - Baggies
 - Calamine
 - Ammonia inhaler
 - Fingernail polish remover
 - Batteries (scales, flashlight, pen light, clock)
 - Biohazard bags/red
 - Flashlight
 - Peak flow meter mouth pieces
 - Thermometer sheaths
 - Glucometer strips
 - Lancets
 - Splints
 - Sterile water
 - Salt
 - Tongue depressor
- Reference Material
- American Red Cross CPR/First Aid Manual
 - Nursing Drug Reference Manual
 - Nelson's Pediatric Text
 - Red Book
 - Bates' Physical Assessment
 - Taber's Dictionary
 - CDC's Immunization Manual
 - Children and Youth Assisted by Medical Technology in the School Setting
 - ARSBN – Roles and Responsibilities for School Nurses
 - ASHA – Confidentiality, Health Care Plans
- Emergency Response Supplies
- 4 x 4 " compress – 1,000 per 500 students
 - 8 x 10" compress – 150 per 500 students
 - Kerlix bandaging: 1 per student
 - Ace wrap (2") – 12 per campus
 - Ace wrap (4") – 12 per campus
 - Triangular bandage – 24 per campus

- Cardboard splints – 24 each (small, medium, large)
- Steri-strips or butterfly bandages: 50 per campus
- Aqua-Blox (water) cases - .016 x students + staff = number of cases (for flushing wounds)
- Antibiotic ointment: 144 squeeze packs per campus
- Hydrogen peroxide – 10 pints per campus
- Space blankets – 1 each for students and staff
- Bleach – 1 small bottle
- Plastic or wire basket stretchers or back boards – 2 per 100 students/staff

- **Search and Rescue Equipment**

- Protective Gear Per Team Member

- Hard hat, OSHA approved
 - Identification vest
 - Gloves, leather work and latex/vinyl
 - Safety goggles
 - Dust mask
 - Flashlight, extra batteries (attach flashlight to hard hat)

- Gear Per Search and Rescue Team

- Back pack with first aid supplies
 - Master keys
 - Pliers, adjustable, 10-inch
 - Pliers, lineman, 8-inch
 - Pry bar, 24-inch
 - Hacksaw, mini folding
 - Bolt cutter, 18-inch
 - Hammer, No. 3

- **Classroom Kit (One Per Class room)**

- Leather work gloves
 - Latex/vinyl gloves - 3 pair
 - Safety goggles - 1 pair
 - Pressure dressings – 3
 - Space blankets – 3
 - Tarp or ground cover
 - Blank student accounting forms
 - Student disaster cards

- **Other Supplies**

- Folding tables, 3 feet x 6 feet – 3 to 4
 - Chairs – 12 to 16
 - Identification vests, brightly colored with names of positions plainly printed on them
 - Clipboards with job descriptions
 - Extra clipboards
 - Bus lists

- Scissors (paramedic) – 4 per campus
- Tweezers – 3 assorted per campus
- Triage tags – 50 per 500 students
- Vinyl gloves – 100 per 500 students
- Oval eye patch – 50 per campus
- Tapes (1" cloth) – 50 rolls per campus
- Tapes (2" cloth) – 24 rolls per campus
- Dust masks – 25 per 100 students
- Disposable blanket: 10 per 100 students
- First aid books – 2 standard and 2 advanced per campus
- Heavy-duty rubber gloves – 4 pair

- Tools Per Campus

- Pry bars, 5 to 6 foot - 2
 - Pick ax, No. 6
 - Sledge hammer, No. 10
 - Square shovel
 - Round shovel
 - Utility shut-off wrench, 1/utility
 - Barrier tape, 3" x 1000 inch – 3 rolls
 - Broom, street grade
 - Flashlight, angle head
 - Screwdriver, 6-inch
 - Knife, utility
 - Container to hold tools
 - Cribbing (if trained) – 18, 2 inch x 4 inch; 15, 4 inch x 4 inch; 6 wedges
 - Duct tape
 - Plastic bags – 6
 - Folding shovel

- Buddy classroom list
 - Pens, paper
 - Whistle
 - Student activities
 - Suitable container for supplies
 - Push broom – 1 per building
 - Hand held walki talkies

- Offices supplies (i.e., pens paper)
 - Signs for student request and release
 - Alphabetical dividers for request gate
 - Copies of all necessary forms
 - Cable to connect car battery for emergency power
 - Class lists