

FINAL REPORT

from

UNATTACHED EQUIPMENT COMMITTEE

Presented to:

JOINT COMMITTEE ON EDUCATIONAL
FACILITIES

Revised on 08/08/2005 10:19 AM

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 identity 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 purpose for at least two (2) years.

Section One of the report details, by instructional or support area, the equipment necessary for Arkansas educators.

****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, and media center or guidance office every hour of every day. It is essential; however, that every school district has 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.

Art

Brenda Turner Arkansas Department of Education

Mary Carr DeWitt School District

Jan Hall Genoa Central School District

Lorraine Harper Springdale School District

Karen McManus DeWitt School District

Cathy Porter Arkansas School for the Blind

English/Language Arts

Dr. Gayle Potter Arkansas Department of Education

Bitsi Bonner Arkansas Department of Education

Kathryn Lavender Arkansas Department of Education

Lauren Bradshaw Marion School District

Shawna Childs Arkadelphia School District

Colleen Ferguson Little Rock School District

James Garner Decatur School District

Kelly Klober Danville School District

Foreign Language

Susan Grier Arkansas Department of Education

Wendy Cunningham Searcy School District

Beth Kaufman McGehee School District

Guidance

J.B. Robertson Arkansas Department of Education

Mary Jo Burnley Clinton School District

UNATTACHED EQUIPMENT COMMITTEE

Rosia Davis Forrest City School District

Sharla Dunigan Sheridan School District

Linda Haley Rogers School District

Mary May Hope School District

Jim Yeager Pottsville School District

Health/Physical Education

Tammy Harrell Arkansas Department of Education

James Banks Marianna School District

Evelyn Bell Ashdown School District

Laura McDowell North Little Rock School District

Harley Sisson Russellville School District

Becky Taylor Mountain View School District

Mathematics

Roy Barnes Arkansas Department of Education

Alex Jackson Augusta School District

Jennifer Parker Clarksville School District

Bradley Roberts Midland School District

Artie Faye Romes Pulaski County School District

Betty Wilson Magnolia School District

Media Center

Margaret Amps Arkansas Department of Education

LaWanda Dale Dover School District

Jana Dixon Cutter Morning Star School District

Lin Hatch Pocahontas School District	Cecilia Vinson Northcentral Arkansas Education Service Center
Lucy Neal Little Rock School District	Science
Karen Richardson Jessieville School District	Bill Fulton Arkansas Department of Education
Rachel Shankles Lakeside School District	Sharon Boyd Cabot School District
Connie Zimmerman Arkansas Tech University	Janet Laye West Memphis School District
Music Bob Bethurem Arkansas Department of Education	Kathy Prophet Springdale School District
Elaine Barteo Jonesboro School District	Debbie Rogers Rural Institute for Math and Science Center Arkansas State University
Rico Belotti Pulaski County School District	Debbie Rook Arkadelphia School District
Phil Costner Van Buren School District	Linda Shott Pottsville School District
Shannon Nash Dumas School District	Social Studies
Thomas Street Harrison School District	Margaret Herrick Arkansas Department of Education
David Stuart Magnolia School District	Rita Courtney McGehee School District
Health Services	Tommy Johnson South Conway County School District
Susanne Tullos Arkansas Department of Education	Toney McMurray Alma School District
Margo Bushmaier Little Rock School District	Administrators
Sandi Campbell North Little Rock School District	Charles Cobbs Pine Bluff School District
Lisa Drake Forrest City School District	Dr. John Davidson Arkansas Department of Workforce Education
Dru Roberts Texarkana Public Schools	Jeanie Gorham Mineral Springs School District
	Allan Yeary Benton School District

Section I

UNATTACHED EQUIPMENT

UNATTACHED EQUIPMENT

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11	Guidance
12	Health Education
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16	Music
17	Physical Education
18	Physical Education (Adaptive)
19	Social Studies
20-21	Science -K-3
22-23	Science -4 th Grade
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26-27	Science -Secondary (Life Science)
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- 33-34 Science -Secondary (Biology)
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ART

Item Number	Item Name	# per Class-room	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.
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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

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 ø 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 ø 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.

Item Number	Item Name	# per Class-room	Specifications & Descriptions
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1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair ø 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 ø 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.

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair ø 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 œ 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.

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	Averkey 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

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 œ counselor's office.
17	Laminator	1	ACCESS to a laminator œ 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.

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	TV œ 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	

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

Item Number	Item Name	# per Classroom	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.

Item Number	Item Name	# per Classroom	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

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Sound System	1	Stationary or portable ø 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 ø 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.
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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.

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desk æ Teacher	1	
2	Chair æ 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	

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	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.

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4Grade

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.

5œ 6Grade

Item Number	Item Name	# per Classroom	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.)

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 ø 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.)

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.)

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	VRC/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.)

Item Number	Item Name	# per Classroom	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	VCR/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.)

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.)

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.)

Item Number	Item Name	# per Class-room	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	