

## Minimum Equipment List: Ag Power, Structural & Technical

ITEM DESCRIPTION	NUMBER REQUIRED
Oxyacetylene welding outfit	2
Oxyacetylene welding tables	2
Anvil	1
Bench grinder	1
Arc welder	2
MIG welder	1
Arc welding table	2
Engine, air cool gas	2
Micrometer, inside/outside	1
Air compressor	1
Gun spray paint	1
Table saw, sawstop brand	1
Automatic level kit	1
Welding tool kit	1
Sheet metal & cold metal tool kit	1
Plumbing tool kit	1
Concrete tool kit	1
Woodworking tool kit	1
Power machines tool kit	1
Electricity tool kit	1
Small gas engines tool kit	1
Laser level	1
Agri graphics tool kit	1
Cabinets for each area	12
Point source ventilation system	1
Safety Equipment kit	1
CNC Machine (metal or wood)	1
<b>Welding Tool Kit</b>	
Spark lighter (striker)	2
Wire brushes	2
Oxyacetylene tip cleaners	2
Scratch awls	2
Ball peen hammers	4
Slip joint pliers	2
Soapstone holder	2
Vise grip	2
Vise grip clamps	2
C clamps	2
Machinist vises	2
Tape measure	2
Aluminum squares	2
Flat file	1
Half round	1

Chipping hammer	2
Bench grinder	1
Portable grinders	2
<b>Plumbing tool kit</b>	
Pipe wrench	4
Channel locks	2
Pipe cutter	1
Tubing cutters	4
Hacksaw	2
Burr reamer	1
Flaring tool	2
Scratch awls	2
Wire brush	2
Oil cans pump metal	2
Pipe threaders	1
Hammers	2
Propane Torch kits	2
Chain/Pipe vise	1
Pex Pipe Kit	1
<b>Concrete/Masonry Tool Kit</b>	
Edger	2
Jointers	4
Broom	2
Finishing Trowel	2
Hand float	2
Pointing Trowel	2
Masonry drill set	2
Sledge hammer	1
Line levels	2
Wheel barrow	1
Masonry level	2
Square point shovel	2
Steel tapes	2
Steel squares	2
Level	2
Torpedo level	2
Mortar hoe	1
<b>Hand Woodworking Tool Kit</b>	
Hand saw	2
Wood chisel	2
Steel tape	2
Try square	2
Carpenter's Square	2
Bevel	2
Combination Square	2

Curved claw hammer	2
Rubber mallet	2
Nail set	2
<b>Sheet Metal and Cold Metal Tool Kit</b>	
Pop rivet gun	2
Awl scratchers	2
tin snips	6
combination square	2
Allen wrench sets	1
Hacksaw	1
Cold chisel sets	2
Adjustable wrenches	2
Tap & Die sets	1
Screw driver sets	2
Center punch	2
Ball peen hammer	2
Hand seamer	1
Wire brushes	2
Rubber mallet	2
Vise grips	2
Slip joint pliers	2
Flat file	4
Aluminum squares	2
Metal bit sets	2
Drill gauges	2
Oil cans pump metal	2
C clamps	6
Propane bottles	2
Steel square	2
Drill press vise	2
<b>Power Machines Tool Kit</b>	
Saber saw	1
Reciprocating saw	1
Belt sander	1
Disk sander	1
Router	1
Electric drill	2
Nailer air brad	1
Portable grinder	2
Battery or air impact wrench	1
Circular saw	1
Router bit set	1
Impact set	1
Drill press	1
Band saw	1
Cordless drill	1

Sliding compound miter saw	2
Scroll saw	1
<b>Electricity Tool Kit</b>	
Hacksaw	2
Ball peen hammer	2
Multimeter	2
Screwdriver sets	4
Adjustable jaw wrench	2
Lineman's Pliers	2
Longnose pliers	2
Wire stripper	2
Nut driver sets	2
Diagonal pliers	2
Test lights	2
Voltage Detector	1
<b>Small Gas Engine Tool Kit</b>	
Socket set	2
Torque wrench inch/pound	2
Combination wrench	2
Adjustable wrench	2
Allen wrenches	2
Center punch	2
Drift punch	2
Retaining ring pliers	2
Phillips screwdriver	2
Slotted screwdriver	2

Gear pullers	2
Ball peen hammer	2
Pliers	2
Longnose pliers	2
Vise grips	2
<b>Agri Graphics Tool Kit</b>	
Ruler	5
Eraser	5
Compass	5
Protractor	5
Drawing Board	5
Right angle triangle	5
T-square	5
Traingular square	5
Architect scale	2
<b>Safety Equipment</b>	
Oxyacetylene Goggles	5
Welding helmets	10
Welding aprons/jacket	15
Welding gloves	15
Welding helmet auto-darkening	2
Student Computer System	5
Printer	1
Emergency Shower, with Eye Wash Station Built in	1
Approved Metal Storage Cabinet for flammable, caustic, and/or toxic materials	1
Safety Glasses	20
Fire Blanket	1
First Aid Kit	1
Eye Protection Cabinet	1
<b>Total Cost</b>	<b>\$72,020.00</b>
85% Cost if funded by State Start-up Grant	\$61,217.00
15% Cost, Responsibility of District if funded by State Start-up Grant	\$10,803.00

## Minimum Equipment List - Animal Systems

ITEM DESCRIPTION	NUMBER REQUIRED
Teaching microscope	1
Student microscopes	10
Squeeze chute with palpation cage	1
Livestock panels	12
Bow panel gates	3
Sweep chute	1
Refrigerator	1
Microwave oven	1
Liquid Nitrogen tank	1
Artificial Insemination kit	1
Livestock management kit	1
Incubator	1
DNA Model	1
Artificial Insemination Training	1
<b>Livestock Management Kit</b>	
Balling gun (Large animal)	1
Balling gun (small animal)	1
Dehorner	1
Hoof nippers	1
Hoof trimmers	1
Ear notcher	1
Electric branding iron	1
Paint brander	1
Paint brander numbers set	1
Tattoo Kit	1
Tag Applicator	1
Scalpels	1 box
Syringes	1 box
Drench gun	1
Thermometer	1
Hog snare	1
Sorting stick	5
Hanging scales	1
Calf scale birthweight tape	1
Soil temperature probe	1
Digital hay tester	1
<b>Vet Sceince Kit</b>	
Cat Bag	1
Dog Snare	1
Cold sterile tray	3
Elizabethan collar	1
Fecal loop	1

Muzzle-nylon	3
Ophthalmoscope	1
Otoscope	1
Scalpels	1 box
Scissors - bandage	3
Scissors - suture removal	1
Stethoscope	1
Examination table (Stainless Steel 48"L x 30" D x 36"H)	1
Portable small animal cage	3
Handling leash	3
Thermometer	3
Small animal clippers	1
Student Computer System	5
Printer	1
Emergency Shower, with Eye Wash Station Built in	1
Approved Metal Storage Cabinet for flammable, caustic, and/or toxic materials	1
Safety Glasses	20
First Aid Kit	1
Eye Protection Cabinet	1
<b>Total Cost</b>	<b>\$33,670.00</b>
85% Cost if funded by State Start-up Grant	\$28,619.50
15% Cost, Responsibility of District if funded by State Start-up Grant	\$5,050.50

## Minimum Equipment List - Plant Systems

ITEM DESCRIPTION	NUMBER REQUIRED
Greenhouse (1,800 Sq Ft with Environmental Control System)	1
Potting Tables	1
Table system for greenhouse	1
Microscope, compound	1
Teacher microscope	1
Student microscopes	10
Student calculators	20
Soil testing kit	1
Water testing kit	1
Horticulture tool kit	1
DNA Kit	1
Tiller	1
Mower	1
Grass trimmer	1
Backpack blower	1
Plant/flower models	Set
Soil sterilizer (1/8 cu yard)	1
<b>Horticulture Tool Kit</b>	
Round-pointed shovel	2
Garden trowel	5
Scoop shovel	2
Garden hoe	2
Pitchfork or spade fork	2
lopping shears	2
Hedge shears	2
Double edge pruning saw	1
Hand-crank spreader	1
Wheel barrow	1
Garden rake	2
Pruning knife	2
Watering can	2
<b>DNA Kit</b>	
DNA Model	1
DNA Extraction Lab Equipment	1
<b>Soil Testing Kit</b>	
Soil Test Kit	1
Soil Tester	1
<b>Water Testing Kit</b>	
Water Test Kit	1



Student Computer System	5
Printer	1
Emergency Shower, with Eye Wash Station Built in	1
Approved Metal Storage Cabinet for flammable, caustic, and/or toxic materials	1
Safety Glasses	20
First Aid Kit	1
Eye Protection Cabinet	1
<b>Total Cost</b>	<b>\$104,525.00</b>
85% Cost if funded by State Start-up Grant	\$88,846.25
15% Cost, Responsibility of District if funded by State Start-up Grant	\$15,678.75

**Minimum Equipment List - Agribusiness Systems**

<b>ITEM DESCRIPTION</b>	<b>NUMBER REQUIRED</b>
Student Computer System	20
Printer	1
<b>Total Cost</b>	<b>\$22,500.00</b>
85% Cost if funded by State Start-up Grant	\$19,125.00
15% Cost, Responsibility of District if funded by State Start-up Grant	\$3,375.00

## Minimum Equipment List - Food Products & Processing

ITEM DESCRIPTION	NUMBER REQUIRED
Commercial Range	1
Consumer Range	2
Convection Oven	1
Commercial Deep Fryer	1
Pizza Oven	1
Commercial Refrigerator	1
Standard Refrigerator	2
Commercial Freezer	1
Commercial Dishwasher	1
Commercial Ice Maker	1
Ventilation/Exhaust System	1
Meat Band Saw	1
Commercial Stand Mixer	2
Food Processor	1
Meat Grinder	1
Meat Slicer	1
Blender	2
Microwave Convection Oven	1
Stovetop Griddle/Grill	1
Vacuum Tumbler	1
Stainless Steel Tables	3
Stainless Storage Shelves	2
Scales (Portion and Balance)	2
Meat Tenderizer	1
Pressure Cooker	1
Shrink Wrapping Station	1
Semiautomatic Round Object Labeler	1
Commercial Meat Tube Filling Machine	1
Bag Labeler/Sealer	1
Box Labeler	1
Food Preparation Kit	1
Commercial Dehydrator	1
Commercial Smoker	1
<b>Food Preperation Kit</b>	
Storage Containers	1
Ingredient Bins	1
Can Opener	2
Hand Mixer	2
Kitchen Timers	4
Stock Pots	2
Cutlery Sets	2
Mxing Bowl Sets	4
Cutting Boards	4

Baking Sheets	4
Cake Pans	4
Muffin Pans	4
Casserole Dishes	4
Cooling Racks	4
Pizza Pans	4
Electric Knife	1
Electric Skillet	1
Toaster	1
Crock Pots	2
Hand Vacuum	1
Aprons	20
Dish Cloths	20
Towels	20
Hot Pads	2
Pot Holders	20
Pitchers	4
Vegetable/Fruit Press	1
Vegetable Peelers	4
Cheese slicers	4
Strainers	4
Blancher Strainer	1
Kitchen Utensil Set	1
Student Computer System	5
Printer	1
Emergency Shower, with Eye Wash Station Built in	1
Approved Metal Storage Cabinet for flammable, caustic, and/or toxic materials	1
Safety Glasses	20
First Aid Kit	1
Eye Protection Cabinet	1
<b>Total Cost</b>	<b>\$ 68,155</b>
85% Cost if funded by State Start-up Grant	\$ 57,931.75
15% Cost, Responsibility of District if funded by State Start-up Grant	\$ 10,223.25

**Minimum Equipment List - Natural  
Resources/Environmental Service Systems**

ITEM DESCRIPTION	NUMBER REQUIRED
Land measuring wheel	1
Forestry instructional kit	1
Safety Equipment kit	1
GPS Receiver	10
Laser level and Automatic level	1
Soil test kit	1
Water test kit	1
Air pollution test kit	1
Microscope compound	1
Teaching microscope	1
Student microscope	10
Aquaculture Tank with filtration system (300 gal)	1
Aquarium	1
Clinometer	5
Altimeter	5
Tree injector	1
Staff Compass	1
Stereoscope	1
Increment Borer	1
Tree Marking Gun	1
Mist blower	1
Relaskop	1
Wheeler caliper	1
Fire weather kit	1
Firefighting pump	1
Chainsaw	1
<b>Air Pollution Kit</b>	
Air Quality Test Kit	1
<b>Soil Testing Kit</b>	
Soil Test Kit	1
Soil Tester	1
<b>Water Testing Kit</b>	
Water Test Kit	1
<b>Forestry Instructional Kit</b>	
Compass	10
Biltmore stick	5
Diameter tape	2

<b>Safety Equipment Kit</b>	
Safety Glasses	20
Hardhat	20
First Aid Kit	1
Fire Extinguisher	1
<b>Fire Weather Kit (for Forestry Class only)</b>	
Wind meter	1
Compass	1
Psychrometer	1
Psychrometer slide rule	1
Notebook journal	1
Student Computer System	5
Printer	1
Emergency Shower, with Eye Wash Station Built in	1
Approved Metal Storage Cabinet for flammable, caustic, and/or toxic materials	1
Safety Glasses	20
Fire Blanket	1
First Aid Kit	1
Eye Protection Cabinet	1
<b>Total Cost</b>	<b>\$31,595.00</b>
85% Cost if funded by State Start-up Grant	\$26,855.75
15% Cost, Responsibility of District if funded by State Start-up Grant	\$4,739.25

## Minimum Equipment List - CASE Ag Power & Technical

ITEM DESCRIPTION	NUMBER REQUIRED
Alcohol Lamps, 60 mL	10
Cups, graduated, 30 mL - Pk/16	6
Lab Aids: Energy Transfer: Motors, Generators and Sources of Electricity	1
Lab Aids: Energy Transfer: Motors, Generats and Sources of Electricty Expansion	6
Lab Aids: Investigating the Design and Output of Wet Cell Batteries	1
Lab Aids: Investigating the Design and Output of Wet Cell Batteries Expansion	6
Magnesium ribbon	1
Magnifiers, small plastic 4X	1
Lab Aids: Modeling and Comparing Fossil Fuels and Biofuel Combustion	1
Lab Aids: Modeling Stream Erosion and Deposition	1
Lab Aids: Modeling Stream Erosion and Deposition Expansion	6
Simple Machines	15
Vernier: Advanced Wind Experiment Kit	6
Vernier: LabQuest Lanyard	13
Vernier: LabQuest2 Interface	13
Vernier: pH Buffer Capsules (callibration)	1
Vernier: pH Sensor Storage Solution	1
Vernier: Circuit Board 2	13
Vernier: Current Probe	13
Vernier: Dual Range Force Sensor	13
Vernier: Energy Sensor	13
Vernier: Ethanol Sensor	5
Vernier: Rotary Motion Sensor	5
Vernier: Temperature Sensor	13
Vernier: Tris-Compatible Flat pH Sensor	13
Vernier: Varialbe Load	13
Vernier: Voltage Probe	13
Vernier: Kidwind Small Water Pump with Tubing	5
Vernier: KidWind Graduated Cylinder 5 pack	1
Vernier: LabQuest Interface Charging Station	13
Electronic balance, 150 gram capacity	15
Lab aprons	25
Hot plate/stirrer	5
Ring stand	10
Ring stand clamp	10
Round jaw utility clamp	10
Water Bath	1
Refrigerator, 5.3 cubic feet with lock	1
Stop watches	2

CASE Professional Development Training	1.00
<b>Total Cost</b>	<b>\$31,421.75</b>
85% Cost if funded by State Start-up Grant	\$26,708.49
15% Cost, Responsibility of District if funded by State Start-up Grant	\$4,713.26



## Minimum Equipment List - CASE Animal Science

ITEM DESCRIPTION	NUMBER REQUIRED
CASE: Animal Science Kit--LabQuest2 Interface	13
CASE: Animal Science Kit--Vernier CO2 Gas sensor	13
CASE: Animal Science Kit--Vernier Gas Pressure Sensor	13
CASE: Animal Science Kit--Vernier Temperature Sensor	13
CASE: Animal Science Kit--LabQuest Lanyard	13
CASE: Animal Science Kit--LabQuest Viewer Software	13
CASE: Animal Science Kit--LabQuest2 Interface Charging Station	13
CASE: Animal Science Kit--Bunsen burner	10
CASE: Animal Science Kit--Utility clamp	20
CASE: Animal Science Kit--Dissection Set, classroom set	1
CASE: Animal Science Kit--Dissection trays, 16" x 30" with pad	10
CASE: Animal Science Kit--Dissection Large Pan	20
CASE: Animal Science Kit--Dissection Large Pad	20
CASE: Animal Science Kit--Dissection Large Pan Cover	20
CASE: Animal Science Kit--Dissection pins	1
CASE: Animal Science Kit--Electronic Scales, 200 gram capacity	5
CASE: Animal Science Kit--Incubator (1.0 cubic feet)	1
CASE: Animal Science Kit--Iron wire gauze, pkg 12	1
CASE: Animal Science Kit--Lab aprons	25
CASE: Animal Science Kit--Microscope, Compound	10
CASE: Animal Science Kit--USB Pupil Cam	1
CASE: Animal Science Kit--Microscope, Dissecting	10
CASE: Animal Science Kit--Rack, test tube, 9 capacity	10
CASE: Animal Science Kit--Ring stand	10
CASE: Animal Science Kit--Ring stand clamp, 4" support rings	10
CASE: Animal Science Kit--Sharps container	1
CASE: Animal Science Kit--Hot plate	1
CASE: Animal Science Kit--Stop watch, MyChron, Individual student timers (6 pk)	3
CASE: Animal Science Kit--Stethoscope/sphygmomanometer kits	10
CASE: Animal Science Kit--Water bath	1
CASE: Animal Science Kit--Student safety goggles	25
CASE: Animal Science Kit--Beakers, 100 ml	10
CASE: Animal Science Kit--Beakers, 250 ml	2
CASE: Animal Science Kit--Beakers, 400 ml	20
CASE: Animal Science Kit--Beakers, 600 ml	10
CASE: Animal Science Kit--Forceps, 6 ea	3
CASE: Animal Science Kit--Graduated Cylinder, 100 ml	10
CASE: Animal Science Kit--Petri Dish, pkg 20	2
CASE: Animal Science Kit--Test tube, 16x125 mm, pkg of 72	1
CASE: Animal Science Kit--Razor Blades, pkg 100	1
CASE: Animal Science Kit--Scalpel Blades	20
CASE: Animal Science Kit--Stopper, single hole, size 6	1
CASE: Animal Science Kit--Slides, agricultural parasites slide set	6
CASE: Animal Science Kit--Slides, animal cells	5

CASE: Animal Science Kit--Slides, bacteria – three shapes, individual smears	10
CASE: Animal Science Kit--Slides, fish mitosis, sec.,	5
CASE: Animal Science Kit--Slides, mixed protozoa – includes species from 4 phyla	10
CASE: Animal Science Kit--Slides, mold – three common on one slide	10
CASE: Animal Science Kit--Stirring rods, 8" glass, pkg 12	1
CASE: Animal Science Kit--Dialysis Tubing Weighted Closures	10
CASE: Animal Science Kit--Thermometer, disposable, pkg 100	1
CASE: Animal Science Kit--Vinyl tubing (10 Ft)	1
CASE: Animal Science Kit--Media, MicroLive Bacterial Media – nutrient agar Pkg/1	2
CASE: Animal Science Kit--Microscope Coverslips	3
CASE: Animal Science Kit--Microscope Slides	3
CASE: Animal Science Kit--Parafilm	1
CASE: Animal Science Kit--Pipette, 6" Plastic, pkg 100	2
CASE: Animal Science Kit--Fecal Slide Analysis Lab Activity, Ward's 36 W 6224	1
CASE: Animal Science Kit--Animal Behavior Lab, Ward's 87 W 3530	1
CASE: Animal Science Kit--Ruled Microscope Slides	5
CASE: Animal Science Kit--Animal Go Get It Cards, Subjects	1
CASE: Animal Science Kit--Animal Go Get It Cards, Placards	1
CASE: Animal Science Kit--SEPUP Trays	5
CASE: Animal Science Kit--A&B Tray (Tissue Treating Tray)	10
CASE: Animal Science Kit--Droppers – Pk/16	2
CASE: Animal Science Kit--Glucose Testing Strips – Pk/40	1
CASE: Animal Science Kit--Root Tips, vial	1
CASE: Animal Science Kit--Brushes (tissue transfer) – Pk/15	1
CASE: Animal Science Kit--Macerating Blades – Pk/30	1
CASE: Animal Science Kit--Measure/mixing Spatula - Pk/16	1
CASE: Animal Science Kit--Cups, graduated, 30 mL - Pk/16	1
CASE: Animal Science Kit--Exploring Career Note Cards	5
CASE Professional Development Training	1.00
<b>Total Cost</b>	<b>\$31,380.27</b>
85% Cost if funded by State Start-up Grant	\$26,673.23
15% Cost, Responsibility of District if funded by State Start-up Grant	\$4,707.04

## Minimum Equipment List - CASE Plant Science

ITEM DESCRIPTION	NUMBER REQUIRED
CASE: Plant Science kit--LabQuest2 Interface	13
CASE: Plant Science kit--Vernier CO2 Gas Sensor	13
CASE: Plant Science kit--Vernier Soil Moisture Sensor	13
CASE: Plant Science kit--Vernier Conductivity Sensor	13
CASE: Plant Science kit--Vernier Dissolved Oxygen Sensor	13
CASE: Plant Science kit--Vernier Gas Pressure Sensor	13
CASE: Plant Science kit--Vernier Tris-Compatible Flat pH Sensor	13
CASE: Plant Science kit--PH Buffer Capsules (calibration) (3x10)	1
CASE: Plant Science kit--pH Sensor Storage Solution	1
CASE: Plant Science kit--Vernier Temperature Sensor	13
CASE: Plant Science kit--Go Direct Spectrovis Plus Spectrophotometer	1
CASE: Plant Science kit--Vernier Spectrophotometer Optical Fiber	1
CASE: Plant Science kit--LabQuest Lanyard	13
CASE: Plant Science kit--LabQuest View Site License	13
CASE: Plant Science kit--Logger Pro 3- CD	1
CASE: Plant Science kit--LabQuest2 Interface Charging Station	13
CASE: Plant Science kit--18" Fluorescent Aquarium Light Bulb	1
CASE: Plant Science kit--18" Fluorescent Light Bar	3
CASE: Plant Science kit--18" Fluorescent Soft White Light Bulb	1
CASE: Plant Science kit--18" Fluorescent Warm White Light Bulb	1
CASE: Plant Science kit--4 inch clay azalea pot	5
CASE: Plant Science kit--Black Light Incandescent Bulb	1
CASE: Plant Science kit--Electronic balance - 5 KG or postal scale	1
CASE: Plant Science kit--Garden knife	20
CASE: Plant Science kit--Grafting knife	10
CASE: Plant Science kit--Hand spade	10
CASE: Plant Science kit--Incandescent light fixture	3
CASE: Plant Science kit--Knife/Screwdriver	20
CASE: Plant Science kit--Light control system	1
CASE: Plant Science kit--Light control timer	10
CASE: Plant Science kit--Light source with 100 watt bulb	1
CASE: Plant Science kit--Mixing bottles for Mystery Solution	3
CASE: Plant Science kit--Natural sunlight incandescent bulb	1
CASE: Plant Science kit--PVC frame for hanging fixtures (see blueprints in teacher notes)	10
CASE: Plant Science kit--PVC sampling frame	10
CASE: Plant Science kit--Small electric heater	1
CASE: Plant Science kit--Soft white incandescent bulb	1
CASE: Plant Science kit--Syringes, 10cc	10
CASE: Plant Science kit--Temp system	1
CASE: Plant Science kit--Watering system	1
CASE: Plant Science kit--16 inch Pots	40
CASE: Plant Science kit--Burner, Alcohol (OR Bunsen Burner)	10
CASE: Plant Science kit--Dissection Set (FA-62-1097), classroom set	1
CASE: Plant Science kit--Electronic Scales, 200 gram capacity	10

CASE: Plant Science kit--Lab aprons	25
CASE: Plant Science kit--Microscope, Compound	10
CASE: Plant Science kit--Microscope, Dissecting	10
CASE: Plant Science kit--Ring stand	10
CASE: Plant Science kit--Ring stand Clamp	30
CASE: Plant Science kit--Thermometers, Celsius	10
CASE: Plant Science kit--Aquarium air pump	2
CASE: Plant Science kit--Fan, small electric	1
CASE: Plant Science kit--Stop watches, MyChron, 6 ea	2
CASE: Plant Science kit--Rootview Growth Chamber	2
CASE: Plant Science kit--100ml beaker	10
CASE: Plant Science kit--250ml beaker	10
CASE: Plant Science kit--400ml beaker	10
CASE: Plant Science kit--600ml beaker	20
CASE: Plant Science kit--Forceps	20
CASE: Plant Science kit--100ml graduated cylinder	10
CASE: Plant Science kit--Rinse bottle (plastic squeeze)	20
CASE: Plant Science kit--Specimen Jar, 32 oz. (plastic)	10
CASE: Plant Science kit--Lid	10
CASE: Plant Science kit--Specimen Jar, 8 oz.	20
CASE: Plant Science kit--Lid	20
CASE: Plant Science kit--Specimen jar, 16 oz	3
CASE: Plant Science kit--Jar cap. White metal, 70mm	3
CASE: Plant Science kit--Spray Bottles	20
CASE: Plant Science kit--Test Tube Rack (capacity of 12)	10
CASE: Plant Science kit--Test tube, 16x125mm, pkg of 72	1
CASE: Plant Science kit--Scalpel Blades, pkg/10	5
CASE: Plant Science kit--Student safety glasses	25
CASE: Plant Science kit--Air Stone, 7/16"	10
CASE: Plant Science kit--Vinyl hose splitters for aquarium tubing (pkg 10)	1
CASE: Plant Science kit--Vinyl air supply hose for aquarium pump (10 ft)	3
CASE: Plant Science kit--Globe Soil Color Book	5
CASE: Plant Science kit--Dialysis Tubing Closures	20
CASE Professional Development Training	1.00
<b>Total Cost</b>	<b>\$37,819.14</b>
85% Cost if funded by State Start-up Grant	\$32,146.27
15% Cost, Responsibility of District if funded by State Start-up Grant	\$5,672.87

## Minimum Equipment List - CASE Natural Resources

ITEM DESCRIPTION	NUMBER REQUIRED
CASE: Natural Resources Kit--LabQuest2 Interface	13
CASE: Natural Resources Kit--Vernier CO2 Gas sensor	13
CASE: Natural Resources Kit--Vernier Colorimeter	13
CASE: Natural Resources Kit--Vernier O2 Gas Sensor	13
CASE: Natural Resources Kit--Vernier Light Sensor	13
CASE: Natural Resources Kit--Vernier Tris-Compatible Flat pH Sensor	13
CASE: Natural Resources Kit--pH Buffer Capsules (3x10)	1
CASE: Natural Resources Kit--pH Storage Solution	1
CASE: Natural Resources Kit--Vernier Plastic Cuvettes (Pkg of 100)	1
CASE: Natural Resources Kit--Vernier Soil Moisture Sensor	13
CASE: Natural Resources Kit--Vernier Temperature Sensor	13
CASE: Natural Resources Kit--Vernier Turbidity Sensor	13
CASE: Natural Resources Kit--LabQuest Lanyard	13
CASE: Natural Resources Kit--Optical Dissolved Oxygen Probe	13
CASE: Natural Resources Kit--LabQuest Viewer Site License	13
CASE: Natural Resources Kit--LabQuest2 Interface Charging Station	13
CASE: Natural Resources Kit--Mini Stream Table (includes stream bed, catch basin, stand and rainmaker) (Item 442-ST)	5
CASE: Natural Resources Kit--Lab-Aids kit #556 - Ecological Succession	1
CASE: Natural Resources Kit--Analytical balance	1
CASE: Natural Resources Kit--Electronic balances	5
CASE: Natural Resources Kit--Hot Plate	2
CASE: Natural Resources Kit--Lab Oven	1
CASE: Natural Resources Kit--Incubator	1
CASE: Natural Resources Kit--10cm ring (4" support ring)	1
CASE: Natural Resources Kit--10ml graduated cylinder	5
CASE: Natural Resources Kit--100ml beaker	2
CASE: Natural Resources Kit--100ml graduated cylinder	1
CASE: Natural Resources Kit--1000ml beaker	1
CASE: Natural Resources Kit--250ml beakers	1
CASE: Natural Resources Kit--250ml Erlenmeyer flasks	5
CASE: Natural Resources Kit--50ml Erlenmeyer flask	2
CASE: Natural Resources Kit--250 ml widemouth bottle	1
CASE: Natural Resources Kit--400 ml beakers	1
CASE: Natural Resources Kit--600ml beakers	1
CASE: Natural Resources Kit--Double hole stoppers (to fit 250ml Erlenmeyer flask), 1 lb, aprox 20 stoppers	5
CASE: Natural Resources Kit--Heat resistant gloves	2
CASE: Natural Resources Kit--Lab aprons	1
CASE: Natural Resources Kit--Long handled water dipper	1
CASE: Natural Resources Kit--Stereomicroscope (See magnifying glass next line)	1
CASE: Natural Resources Kit--Magnifying glass	5
CASE: Natural Resources Kit--Ring stand	2
CASE: Natural Resources Kit--Rinse bottles	1

CASE: Natural Resources Kit--Rubber stopper (to fit 50ml Erlenmeyer flask), 1 lb, aprox 50 stoppers	1
CASE: Natural Resources Kit--Safety glasses	25
CASE: Natural Resources Kit--Stop watch, MyChron, Individual student timers (6 pk)	5
CASE: Natural Resources Kit--Weigh dishes Pk/500	2
CASE: Natural Resources Kit--Utility clamp	1
CASE Professional Development Training	1.00
<b>Total Cost</b>	<b>\$30,403.36</b>
85% Cost if funded by State Start-up Grant	\$25,842.86
15% Cost, Responsibility of District if funded by State Start-up Grant	\$4,560.50

## Minimum Equipment List - CASE Food Science

ITEM DESCRIPTION	NUMBER REQUIRED
CASE Food Science Kit--LabQuest2 Interface	13
CASE Food Science Kit--Vernier Temperature Sensor	13
CASE Food Science Kit--Vernier Tris-Compatible Flat pH Sensor	13
CASE Food Science Kit--pH Storage Solution	1
CASE Food Science Kit--pH Buffer Capsules (3x10)	1
CASE Food Science Kit--LabQuest Lanyard	13
CASE Food Science Kit--LabQuest Viewer Software	13
CASE Food Science Kit--LabQuest2 Interface Charging Station	13
CASE Food Science Kit--Digital camera	13
CASE Food Science Kit--Rulers, standard 12"	25
CASE Food Science Kit--Scissors	25
CASE Food Science Kit--Beaker tongs	5
CASE Food Science Kit--Bunsen burner	5
CASE Food Science Kit--Burner tubing	5
CASE Food Science Kit--Electronic scales, 200 gram capacity	5
CASE Food Science Kit--Hot plate	5
CASE Food Science Kit--Incubator (1.0 cubic feet)	1
CASE Food Science Kit--Inoculating loop	10
CASE Food Science Kit--Lab coat, size L	10
CASE Food Science Kit--Lab coat, size M	10
CASE Food Science Kit--Microscope, Compound	5
CASE Food Science Kit--Mortar and pestle	5
CASE Food Science Kit--Rack, test tube, 9 capacity	10
CASE Food Science Kit--Sharps container	1
CASE Food Science Kit--Stirring rods, 8" glass, pkg 12	2
CASE Food Science Kit--Stop watch, MyChron, Individual student timers (6 pk)	4
CASE Food Science Kit--Student dispensing bottles	2
CASE Food Science Kit--Test tube tongs	10
CASE Food Science Kit--Thermometer	5
CASE Food Science Kit--UV Lamp	5
CASE Food Science Kit--Wash bottles	10
CASE Food Science Kit--Water bath	2
CASE Food Science Kit--100 ml graduated cylinder	10
CASE Food Science Kit--Beakers, 250ml	30
CASE Food Science Kit--Beakers, 400ml	20
CASE Food Science Kit--Beakers, 50ml	10
CASE Food Science Kit--Beakers, 600ml	20
CASE Food Science Kit--Hydrometer, specific gravity	10
CASE Food Science Kit--Media bottles, 125ml	10
CASE Food Science Kit--Media bottles, 250ml	5
CASE Food Science Kit--Petri dish, pkg 20	6
CASE Food Science Kit--Pipette, 6" Plastic, pkg 100	1
CASE Food Science Kit--Plastic funnel	10
CASE Food Science Kit--Safety glasses	25

CASE Food Science Kit--Test tube, 16x125mm, pkg of 72	4
CASE Food Science Kit--Laboratory tape	1
CASE Professional Development Training	1.00
<b>Total Cost</b>	<b>\$24,311.00</b>
85% Cost if funded by State Start-up Grant	\$ 20,664
15% Cost, Responsibility of District if funded by State Start-up Grant	\$ 3,646.65



### Minimum Equipment List - Meats Processing

ITEM DESCRIPTION	NUMBER REQUIRE D
Student Computer System	5
Emergency Shower, with Eye Wash Station Built in	1
Approved Metal Storage Cabinet for flammable, caustic, and/or toxic materials	1
Safety Glasses	20
Fire Blanket	1
First Aid Kit	1
Eye Protection Cabinet	1
Commercial Refrigerator	1
Commercial Freezer	1
Commercial Dishwasher	1
Meat Band Saw	1
Meat Grinder	1
Meat Slicer	1
Stainless Steel Tables	3
Stainless Storage Shelves	2
Scales (Portion and Balance)	2
Meat Tenderizer	1
Shrink Wrapping Station	1
Semiautomatic Round Object Labeler	1
Bag Labeler/Sealer	1
Box Labeler	1
Knocking Chamber	1
Stunning device	1
2 ton hoist	1
Carcass Cradle	1
Carcass Gambrel	1
Carcass Splitting Saw	1
Trolley Hooks	50
Ceiling Carcass Railing System	1
Carcass Drop	1
Cutting Tables	2
3 Compartment Stainless Sink	1
Cutting Knives	25
Sharpening Steels	5
Knife Sharpener	1
Meat Buggies	10
24' S Hooks	20
<b>Total Cost</b>	<b>\$67,885</b>
85% Cost if funded by State Start-up Grant	\$57,702

15% Cost, Responsibility of District if funded by State Start-up Grant	\$10,183
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## Minimum Equipment List - CASE Biotechnology

ITEM DESCRIPTION	NUMBER REQUIRED
CASE: Animal and Biotech Kit--Alcohol Lamps, 60 mL	10
CASE: Animal and Biotech Kit--Cups, graduated, 30 mL - Pk/16	4
CASE: Animal and Biotech Kit--Energy Transfer: Motors, Generators and Sources of Electricity	1
CASE: Animal and Biotech Kit--Energy Transfer: Motors, Generators and Sources of Electricity Expansion Kit	4
CASE: Animal and Biotech Kit--Investigating the Design and Output of Wet Cell Batteries Kit	1
CASE: Animal and Biotech Kit--Investigating the Design and Output of Wet Cell Batteries Kit Expansion Kit	4
CASE: Animal and Biotech Kit--Magnesium Ribbon	1
CASE: Animal and Biotech Kit--Magnifiers, Small Plastic, 4X	10
CASE: Animal and Biotech Kit--Modeling and Comparing Fossil Fuel and Biofuel Combustion Kit	1
CASE: Animal and Biotech Kit--Modeling Stream Erosion and Deposition Expansion Kit	1
CASE: Animal and Biotech Kit--Simple Machines	10
CASE: Animal and Biotech Kit--Advanced Wind Experiment Kit	6
CASE: Animal and Biotech Kit--LabQuest Lanyard	13
CASE: Animal and Biotech Kit--Labquest2 Interface	13
CASE: Animal and Biotech Kit--Vernier Circuit Board 2	13
CASE: Animal and Biotech Kit--Vernier Current Probe	13
CASE: Animal and Biotech Kit--Vernier Energy Sensor	13
CASE: Animal and Biotech Kit--Vernier Dual Range Force Sensor	13
CASE: Animal and Biotech Kit--Vernier Ethanol Sensor	13
CASE: Animal and Biotech Kit--Vernier Rotary Motion Sensor	13
CASE: Animal and Biotech Kit--Vernier Temperature Sensor	13
CASE: Animal and Biotech Kit--Vernier Tris-Compatible Flat pH Sensor	13
CASE: Animal and Biotech Kit--Vernier Variable Load	13
CASE: Animal and Biotech Kit--Vernier Voltage Probe	13
CASE: Animal and Biotech Kit--KidWind Small Water Pump with Tubing	5
CASE: Animal and Biotech Kit--KidWind Graduated Cylinder 5 Pack	1
CASE: Animal and Biotech Kit--Infrared Thermometer	10
CASE: Animal and Biotech Kit--LabQuest2 Interface Charging Station	13
CASE: Animal and Biotech Kit--Electronic Balance, 150 gram capacity	13
CASE: Animal and Biotech Kit--Lab aprons	20
CASE: Animal and Biotech Kit--Hot plate/stirrer	5
CASE: Animal and Biotech Kit--Ring stand	10
CASE: Animal and Biotech Kit--Ring stand clamp	10
CASE: Animal and Biotech Kit--Round jaw utility clamp	10
CASE: Animal and Biotech Kit--Water bath	1
CASE: Animal and Biotech Kit--Refrigerator, 5.3 cubic feet with lock	1
CASE: Animal and Biotech Kit--Stop watches, MyChron	12
CASE: Animal and Biotech Kit--Beakers, 100 mL	20
CASE: Animal and Biotech Kit--Beakers, 50 mL	20
CASE: Animal and Biotech Kit--Beakers, 250 mL	10

CASE: Animal and Biotech Kit--Beakers, 400 mL	20
CASE: Animal and Biotech Kit--Beakers, 600 mL	10
CASE: Animal and Biotech Kit--Heat Conductometer	10
CASE: Animal and Biotech Kit--Compound Bar, 30 cm Length	10
CASE: Animal and Biotech Kit--Forceps	10
CASE: Animal and Biotech Kit--Glass stirring rods (pkg/12)	2
CASE: Animal and Biotech Kit--Graduated cylinder, 100 mL	10
CASE: Animal and Biotech Kit--Graduated cylinder, 10 mL	10
CASE: Animal and Biotech Kit--Chemical goggles	20
CASE: Animal and Biotech Kit--Petri dish, plastic (pkg 25)	2
CASE: Animal and Biotech Kit--Pipette, 6" plastic (pkg 100)	1
CASE: Animal and Biotech Kit--Single hole stopper, size 6, 1 lb	1
CASE: Animal and Biotech Kit--Student safety glasses	25
CASE: Animal and Biotech Kit--Test tube rack (capacity of 12)	10
CASE: Animal and Biotech Kit--Test tube, 16x125mm, pkg of 72	2
CASE: Animal and Biotech Kit--Utility tongs	5
CASE: Animal and Biotech Kit--50 mL Falcon tubes (package of 25)	1
CASE: Animal and Biotech Kit--TRUEbalance glucose meter	5
CASE: Animal and Biotech Kit--TRUEbalance glucose strips (pkg 100)	1
CASE: Animal and Biotech Kit--Metric circle template	20
CASE Professional Development Training	1.00
<b>Total Cost</b>	<b>\$35,262.67</b>
85% Cost if funded by State Start-up Grant	29973.27
15% Cost, Responsibility of District if funded by State Start-up Grant	5289.4005