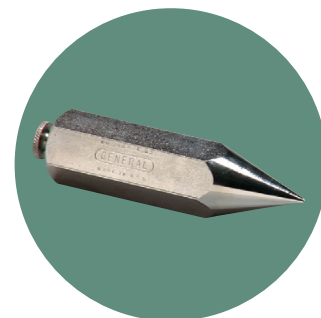
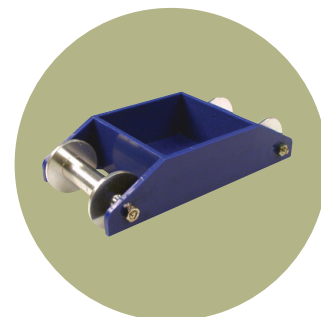




Recommended Minimum Core Inventory for NGSS

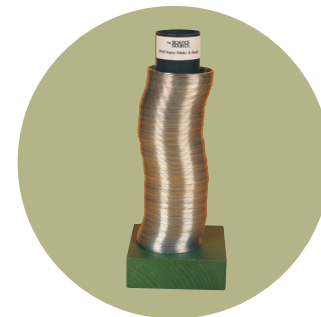
High School Physics, Class of 32 Students

| Item Number | Equipment / Supplies | Quantity |
|---------------------------|--|----------|
| SAFETY EQUIPMENT | | |
| 1477657 | GSC Latex-Free Vinyl Apron, 27 x 42 Inches, 6 Mil Thick, Translucent | 32 |
| 089862 | Baumgartens School Smart Full Length Plastic Disposable Apron, 28 X 48 in, Pack of 100 | 1 |
| 529331 | Sellstrom Rapid Clear Personal Eye Wash Double - 32 Ounces | 1 |
| 1469473 | Frey Scientific Dry Chemical Fire Extinguisher with Mounting Bracket, 6 X 4 X 16 in, 2-1/2 lb, Steel | 1 |
| 1451983 | Acme 113-Piece First Aid Station for 25 People, 10 X 7 X 3 in, Plastic, White | 1 |
| 577918 | Sellstrom Direct Vent Safety Goggles, Fog-Free Plastic Lenses | 32 |
| 1574050 | Eisco Goggle Sanitizer Cabinet, CRC Steel, Wall Mountable | 1 |
| EQUIPMENT SUPPLIES | | |
| 1477526 | Science First Pocket Accelerometer, 4 X 4 X 1-1/4 in | 8 |
| 1592922 | American Scientific Complete Air Track Apparatus Set | 1 |
| 1577077 | Precision Air Table | 1 |
| 2012761 | Ohaus Navigator Portable Balance, 220 Gram Capacity, 0.1 Gram Readability | 8 |
| 1539815 | Frey Scientific Bicycle Wheel Gyroscope | 1 |
| 589953 | Frey Scientific Hanging Boyle's Law Unit | 8 |
| 1512359 | Science First Deluxe Hall's Car | 8 |
| 574122 | Frey Scientific C-Clamp - 3 inches | 40 |
| 1017039 | Frey Scientific Collision Track | 8 |
| 081885 | School Smart Ball Bearing Compass with Long Point, Nickel Finish, Pack of 12 | 4 |
| 1324364 | Troemner Stainless Steel Precision Weights - Assorted Sizes - Set of 13 | 8 |
| 081901 | School Smart Hardwood Meter Stick with Plain Ends | 16 |
| 1526596 | Neulog Motion Sensor | 8 |
| 1493984 | Frey Scientific Newton's Cradle, 3/4 in Ball | 1 |
| 1445065 | Frey Scientific Physics Ball Set, Drilled - Set of 12 - Aluminum, Brass, Cork, Steel, Zinc, and Wood | 8 |
| 583911 | Frey Scientific Plumb Bob, Hexagonal Steel Rod, 3 1/3 inch Length, 3/4 inch Diameter | 16 |
| 084410 | School Smart Plastic Protractor, 180 Degrees, 6 Inches, Clear, Pack of 12 | 4 |
| 532028 | Frey Scientific Deluxe Bench Pulley with Clamp, Vertical, Steel Frame | 16 |
| 030-8769 | Delta Education Support Ring, 3 in diameter, Cast Iron, Plated | 20 |
| 574173 | United Scientific Support Stand with Rod, 5 x 8 in Stamped Steel Base, 20 x 3/8 in Rod | 20 |
| 089837 | School Smart Flexible Plastic Ruler, 12 Inches, Clear | 40 |
| 193-5894 | Delta Education Push-Pull Type Spring Scale - 1 kg | 8 |
| 193-5883 | Delta Education Push-Pull Type Spring Scale - 500 g | 8 |



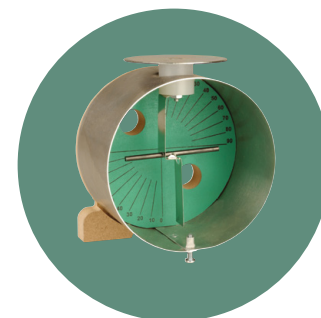
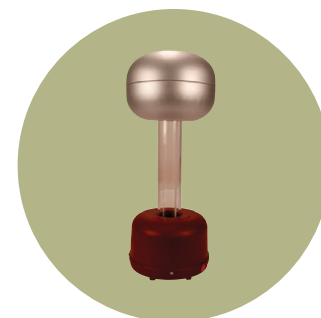
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| Item Number | Equipment / Supplies | Quantity |
|---|--|----------|
| EQUIPMENT SUPPLIES CONTINUED | | |
| 193-5872 | Delta Education Push-Pull Type Spring Scale - 250 g | 8 |
| 576952 | Frey Scientific Stopwatches, 100 Minutes, 1/100th Seconds, Pack of 2 | 8 |
| 1539814 | Frey Scientific Portable Stroboscope | 8 |
| 1488752 | Frey Scientific Hooked Weight Set, Stainless Steel, Set of 10 | 8 |
| MECHANICS/THERMODYNAMICS EQUIPMENT | | |
| 589530 | Frey Scientific Ball and Ring Apparatus, Brass | 1 |
| 599082 | Frey Scientific Calorimeter | 8 |
| 564649 | Frey Scientific Conductometer, 10 Inches | 8 |
| 584295 | United Scientific Convection Demonstrator | 1 |
| 598890 | Frey Scientific Rectangular Glass Liquid Convection Apparatus, 6 X 8-1/4 in | 8 |
| 1387286 | Eisco Labs Kit, Heat Transfer | 8 |
| WAVES/OPTICS EQUIPMENT | | |
| 590100 | Science First Science First Spectroscopy Kit - Pack of 2 | 8 |
| 532033 | United Scientific Semi-Circular Lens | 8 |
| 99-6400 | Science Product Development Laser Pointer | 8 |
| 532036 | Frey Scientific Prism and Lens Set with Case, Acrylic, 7 Pieces | 8 |
| 574260 | Frey Scientific Concave Glass Mirror - 75 mm Diameter | 8 |
| 573171 | Frey Scientific Convex Glass Mirror - 75 mm Diameter | 8 |
| 562388 | Frey Scientific Glass Mirror - 50 x 75 mm | 16 |
| 181-2055 | Delta Education Radiometer | 1 |
| 561259 | Resonance Tube - 45 x 4.0 centimeters | 1 |
| 1396496 | Science First Deluxe Ripple Tank | 1 |
| 590262 | Science Source Rotating Platform | 1 |
| SPECTRUM TUBES, ASSORTED GASES SET | | |
| 1445001 | Next Generation Science Electrodeless Spectrum Tube - Air | 1 |
| 1445000 | Next Generation Science Electrodeless Spectrum Tube - Carbon Dioxide | 1 |
| 1444998 | Next Generation Science Electrodeless Spectrum Tube - Helium | 1 |
| 1444999 | Next Generation Science Electrodeless Spectrum Tube - Neon | 1 |
| 1444997 | Next Generation Science Electrodeless Spectrum Tube - Hydrogen | 1 |
| 1444995 | Next Generation Science Spectrum Tube Power Supply | 1 |
| 580264 | Science First Super Slinky and Stand | 16 |
| 1017390 | Frey Scientific Student Grade Total Immersion Spirit Thermometer, -20 to 110 C, Yellow | 16 |
| 531830 | Frey Scientific Steel Tuning Forks, 256 to 512 Hertz, Set of 8 | 8 |
| 560722 | Frey Scientific Sympathetic-Differential Tuning Forks, Set of 2 | 1 |



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| Item Number | Equipment / Supplies | Quantity |
|--|---|----------|
| ELECTRICITY AND MAGNETISM EQUIPMENT | | |
| 2091152 | Teacher Created Resources Force, Motion, Sound, and Heat 4-Pack Poster Set | 1 |
| 568409 | Frey Scientific Painted Steel Bar Magnets - Pack of 2 - Red | 8 |
| 573252 | Frey Scientific Elenco Breadboard, 7-1/4 x 3-3/4 Inches, 830 Test Points | 16 |
| 574054 | Frey Scientific Basic Electronics Parts Kit, Over 200 Parts | 2 |
| 574169 | SI Manufacturing CaddyStack Electricity Kit | 2 |
| 030-5887 | Delta Education Magnetic Field Detection Compass - 13/8 inch Diameter - Set of 12 | 1 |
| 589581 | Science First Coulomb's Law Apparatus | 8 |
| 589779 | Science First Electroscope | 8 |
| 1559719 | GSC International Electrostatic Charge Kit | 8 |
| 1296262 | Frey Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Copper | 16 |
| 1296305 | United Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Zinc | 16 |
| 1412715 | United Scientific Hand-Powered Generator | 1 |
| 562352 | Frey Scientific Magnetic Field Detection Compasses, 5/8 inch Diameter, Set of 4 | 8 |
| 1370265 | OTC Hybrid Multimeter | 8 |
| 527279 | Science First Van de Graaff Generator | 1 |
| 230-7182 | Science First Wimshurst Machine | 1 |
| 531970 | Elenco Economy Analog Power Supply | 8 |
| MISCELLANEOUS EQUIPMENT | | |
| 1387083 | United Scientific Economy Aneroid Barometer, 7-1/2 Dia in | 1 |
| 1503170 | United Scientific Swivel Clamp, 4.5 L in, Steel, Chrome Plated | 8 |
| 1477597 | Frey Scientific Vacuum Tubing, 3/8 Inch Inner Diameter 50 Feet Long, Rubber, Red | 1 |
| 596647 | Frey Scientific Acrylic Vacuum Pump Plate | 1 |
| 527310 | Fischer High Vacuum Pump | 1 |
| ALTERNATE | | |
| 1590619 | Neulog WIFI Module | 1 |
| 1526610 | Neulog Acceleration Sensor | 8 |
| 1526592 | Neulog Photo Gate Sensor | 2 |
| 1526594 | Neulog Force Sensor | 8 |
| 1526586 | Neulog Temperature Sensor | 8 |
| 1526584 | Neulog Voltage Sensor | 8 |
| 1526585 | Neulog Current Sensor | 8 |



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