

Black = Available

Red = Out on loan

Alphabetical SIM Equipment List

| Equipment Type | Number |
|---|------------------------|
| 3D Printers + PLA filament | 3 |
| 3D Pens + filament | 6 |
| Amino Acid Starter Kit (3D Molecular Designs) | 6 kits |
| Autoclave | 1 |
| Autorad Films (DNA Fingerprinting) | 1 set |
| Animal Track Cards | 1 set |
| Balances, 3-beam | inquire |
| Balances, Digital | 10 |
| Balances, Analytical | 5 |
| Balances and Equilibrium Kit (Middle School) | 1 class set |
| Beta- Globin Map (Student + Teacher) | 1 set |
| Beta-Globin 3D Molecular Design (Model) | 1 |
| Beta-Globin Folding Kit | 1 |
| Binoculars | 22 |
| Bottle Cloud Apparatus | 1 |
| Bridge Building Set (Physics) | 1 class set |
| Calorimeter Cup Set | 6 |
| Casio FX300 Scientific Calculators | 10 |
| Centrifuge | 1 |
| Chromosome Simulation Kit (Mitosis & Meiosis) | Class set (15 set-ups) |
| Chromosome Student Modeling Pack (3D Molecular Designs) | 12 |
| Compasses | 1 class set |
| Contour Map Kit (Class set) | 1 class set |
| Crystal Collection | 1 set |
| Deluxe Molecular Molecule Set | 2 sets |
| Depression Slides | 2 class sets |
| Digiscope DS-150 | 1 class set |
| Digiscope DS-300 | 1 class set |
| Digital Dry Bath | 1 |
| Dioptic Glasses -"Rewiring the Brain" | 4 pairs |
| Dissecting Microscopes | 5 |
| Dissecting Trays (aluminum, with pads & covers) | 10 |
| DNA Discovery Kit | 1 |
| DNA Molecular Models | 2 |
| Ecozone System (Pasco) | 1 |
| Electrophoresis Chambers (horizontal and vertical) | Many |

Black = Available**Red = Out on loan**

| | |
|---|--------------------------------|
| Electrophoresis Power Supplies | 4 |
| ELISA equipment | 1 set |
| Enviroscape Point & Nonpoint Pollution Model | 1 model |
| Enzymes in Action Kit (3D Molecular Designs) | 12 Group Set |
| E-Trex Vista HEX GPS units (Garmin) | 9 |
| Euglena, prepared slides | 1 set of 14 |
| Flood lights | 6 |
| Fuel Cells and Solar Hydrogen Tech Kit | 1 kit |
| Galileoscope Kit (telescope) | 1 |
| Gas Chromatograph (Vernier Mini GC) | 1 |
| Gears Kit | 1 set |
| Geiger Counter (PASCO) | 4 |
| Groundwater Simulator | 1 model |
| Grow Lights (plants) | 3 |
| Heat Engine | 1 |
| Hot Plates with magnetic stirrers | 5 |
| Hydrogen Fuel Cell Car Kits (Dr. Fuel Cell - Heliocentris) | 11 |
| Innova Planetarium | 1 |
| iPads | 11 |
| Kick Nets | 2 |
| Kill-a-Watt lab set (kW meters & lights) | 1 class set |
| K'Nex Amusement Park Physics | 2 sets |
| K'Nex DNA & RNA | 12 sets |
| K'Nex Exploring Machines | 2 sets |
| K'Nex Forces, Energy & Motion | 2 sets |
| K'Nex Solar Energy | 2 sets |
| K'Nex Space Exploration | 2 sets |
| Labware, assorted (Beakers, Flasks, Graduated Cylinders, plastic funnels, magnifying glasses) | inquire |
| LCD Digital Microscopes | 17 |
| Leaf Pack Kits | 1 |
| Light Box (Large) | 4 |
| Light Box (Mini) | 4 |
| Melting Point Apparatus | 6 |
| Membrane Student Modeling Pack (3D Molecular Designs) | 8 Group Sets |
| Membrane Transport Modeling Kit (3D Molecular Designs) | 6 Group Sets |
| Metal Cart Track (Physics) | 4 |
| Micro Chem Lab | 6 |
| Microcentrifuge | 1 |
| Micropipet Tips (Asst. sizes) | multiple |
| Micropipettors, fixed volume | multiple; 5, 10, 30, and 35 uL |

Black = Available**Red = Out on loan**

| | |
|--|-----------------------|
| Micropipettors (1ul- 10ul) | 2 available |
| Micropipettors (2ul-20ul) | 9 available |
| Micropipettors (20uL - 200 uL) | 18 available |
| Micropipettors(100uL - 1000 uL) | 4 available |
| Micropipetting 101: Pipetting and Gel Loading Mastery | 1 class set |
| Microplates (ceramic) | multiple |
| Microscopes with LCD Screen (Celestron) | 12 |
| Microscope Digital Adaptors (WiFi) | 2 |
| Mini Cell Gel Trays/Combs | multiple |
| Mini Fridge | 2 |
| Mini PCR Thermal Cycler | 1 |
| Mini PCR BluGel Electrophoresis Units | 6 |
| Mini PCR P51 Fluorescence Viewer | 8 available |
| Mirrors (flat) with stands | 1 class set |
| Mortars & Pestles | inquire |
| Mutation: A DNA Dice Game | 6 kits |
| NaCl Lattice - Molecular Model Kit | 1 |
| Optics Set (lenses and mirrors) | 1 class set |
| Parquetry Shapes (Wooden) | multiple |
| Pasco Wireless CO2 Sensors | 9 |
| Pasco Wireless Conductivity Sensor | 1 |
| Pasco Wireless Dissolved O2 Sensor | 1 |
| Pasco Wireless Motion Sensors | 3 |
| Pasco Wireless pH Sensors | 6 wet / 2 dry |
| Pasco Wireless Pressure Sensors | 6 |
| Pasco Wireless Smart Cart | 2 |
| Pasco Wireless Smart Cart Motors | 2 |
| Pasco Wireless Spectrometers | 4 |
| Pasco Wireless Temperature Sensors | 7 |
| PASTrack - track for smart carts | 1 |
| Phospholipid & Membrane Transport Kit (3D Molecular Designs) | 7 |
| Photonics Equipment | 2 sets |
| Pipet pumps (for use with serological pipette) | 10 |
| Pipets (Serological) | 1 mL & 10 mL, several |
| Plate Tectonics Model | 1 |
| Plastic Well Plates | 8 |
| Power Amplifier (1A, 0 to +/- 10V) | 7 |
| Prism Set | 1 |
| Project Star Spectrometers | 12 |
| Projectile Launcher | 2 |
| Projector unit | 1 |

Black = Available**Red = Out on loan**

| | |
|--|---------------------|
| Protein Modeling Kit (Science Olympiad event) | 1 |
| Qwik Handi Press (KBr Pellet Press) | 1 |
| Radiation Equipment (Sensor + Shields & Isotope generator + α , β , γ radiation sources) | 4 sets |
| Rock and Mineral ID Test Kits | 6 |
| Rotational Inertia Accessory Kit | 1 |
| Rotational Motion Apparatus | 2 |
| Rotational Motion expansion equipment (Centripetal force, angular momentum) | 2 |
| Safety Glasses | 24 |
| Secchi Disk | 3 |
| Sherlock Bones Forensic Identification of Skeletal Remains | 4 kits |
| Sine Wave Generator + String Vibrator + Open speaker + Mechanical Wave Driver | 3 sets |
| Sky Quality Meters | 2 |
| Specific Heat Set (metal cylinders) | 1 set |
| Spectrophotometers (Spectronic 20 Genesys) | 4 |
| Spectrum Tube Holder / Power Supply | 4 |
| Spectrum Tubes | 12 (assorted gases) |
| Soil Test Kits | 1 LaMotte, 1 NPK |
| Spot Plates (porcelain) | multiple |
| Squirt Bottles (plastic) | 3-250 mL / 6-100 mL |
| Square Glass Bottles w/caps (Pyrex; 200mL) | 40 |
| Staining Trays | multiple |
| Steam Generators | 2 |
| Tape Measures | 3 |
| Test Tubes (Plastic - 5 mL or Glass -10 mL) | multiple |
| Telescopes (Celestron, Sunspotter) | 1 each |
| Test Tube Racks, plastic | 9 |
| Thermometers (Digital) | 8 |
| Thermometers (High Temp) | 2 |
| Thermometers (Infrared / no touch) | 12 |
| Tripods | 2 |
| UV Lamps | 2 |
| UV/VIS Spectrophotometers | 2 |
| Vacuum Buzzer | 1 |
| Vacuum Chamber | 1 |
| Vacuum Pump | 1 |
| Van de Graaff Generator w / instructions | 1 |
| Vernier Wireless Blood Pressure Cuff | 1 |
| Volvox prepared slides | 1 set of 14 |
| Vortex Genie | 1 |

Black = Available

Red = Out on loan

| | |
|---|---------------------|
| Waders | 6 pr; various sizes |
| Water Bath - Large | 1 |
| Water Bath - Small | 1 |
| Water Molecule Kits (3DMD) | 18 |
| Water Quality Test Kits | 1 |
| Weather Station (Vernier Go Direct Weather) | 1 |
| Wet Spirometer (Lung volume) | 1 |
| Wi-Fi Digital Microscope | 1 |