

Inventory for 127 (Physics Classroom)

Where to find things in room 127

Curricular Area	Cupboard Numbers
Dynamics (motion and forces – S2/3/4 physics)	1, 2, 32
Simple Harmonic Motion, Waves (S3 physics)	4, 5, 6
Light Optics (AP physics)	13
Thermodynamics (AP physics)	18
Modern Physics (AP physics)	21, 31, storeroom
Static Electricity (S3/4 physics, grade 9)	28, 30, 31
Current Electricity (senior1, S3/4 physics)	15, 29
Magnetism and Induction (S3/4 physics)	25, 26, 27

June, 2007

ITEM(s)	number	purpose	cupboard/drawer #
lab stands (tall)	16	labs	32/-
lab stands (short)	6	labs	32/-
work – potential energy app.	1	demo	by 32/-
3-Finger Clamps (PASCO)	9	labs	-/1
PSSC- style centripetal force kit	11	labs	1/-
angle iron track	7	labs	1/-
slotted mass sets	8	labs	1/storeroom
slotted mass holders	7	labs	1/-
hooked masses (100, 500, 1000 g)		labs	1/-
accessory masses for balances	4	labs	1/-
ball bearings		labs	1/-
balls (rubber and golf)	11	labs	1/-
washers		labs	1/-
c-clamps	11	labs	1/-
film containers		labs/demos	1/-
Complete geometric optics systems (PASCO)	5	AP labs	storeroom
Mechanical Equivalent of Heat (PASCO)	5	AP labs	storeroom
Heat Engine Gas Laws Set (PASCO)	5	AP labs	storeroom
(PASCO) 18 V DC electronic power supply PI-9877 (p.e. effect)	5	AP labs	storeroom
ripple tank	1	demos	storeroom
α , B, γ radioactive sources (new Feb.'07)	2	AP labs	storeroom
GM Counter (PASCO) SN-7927A	5	AP labs	storeroom
9" Demo. Cloud Chamber ^{210}Pb	1	labs/demos	storeroom
stainless temp. sensor (PASCO)	5	AP labs	storeroom
rotary motion sensor (PASCO)	5	AP labs	storeroom

thermistor temp sensors (PASCO)	5	AP labs	storeroom
2.2 m Dynamics Track	5	AP labs	top of bookcases
light sensor	2	labs	storeroom
voltage sensor (more in chemistry)	3	labs	storeroom
force sensor (more in chemistry)	3	labs	storeroom
cart picket fences (PASCO)	10	AP labs	storeroom
track photogate mounting brackets	10	AP labs	storeroom
30-m tape measure	1	labs	2/-
25 ft tape measures	6	labs	2/-
constant speed tracks	6	labs	2/-
carbon paper	6	labs	2/-
bathroom scale	1	demos	2/staffroom
modeling clay		demos	2/-
large spring scales	2	demos	2/-
small newton spring scales	12	labs	2/-
Hooke's/SHM	2	labs	2/-
Hooke's/SHM spring sets coloured spring sets (25/30/35/40/50 N/m)	5	labs (AP)	3/-
table pulley clamps	17	labs	2/-
rubber mat (high μ) (Strierner's)	1	labs/demos	2/-
wood friction blocks (Strierner's)	8	labs/demos	2/-
plumb bobs/mason's line	6	labs	2/-
PSSC ticker timer tape (rolls)		labs	2/-
ballistics car	2	demos	2/-
"monkey gun" kit	1	demos	2/-
horizontal projection demo	1	demos	2/-
Hall's Carriages	8	lab	3/-
rubber tubing		labs	3/-
spectrum tube power supplies	3	labs/demos	4/-
gas discharge tubes (He, Ne, Ar, Kr, Hg, I etc.)	12	labs/demos	4/-
hydrogen spectrum tube	1	labs (AP)	31/-
laser (switched, 1 mW, 670 nm)	1	labs/demo	4/-
Doppler ball (Strierner's)	1	demos	4/-
Doppler rocket (broken)	1	demos	4/-
nylon string (waves)	1	labs	4/-
Hooke's Law complete apparatus	4	labs	4/-
pendulum bobs		labs	4/-
diffraction grating glasses	12	labs/demos	4/-
diffraction gratings (13,400 lines/inch)	10	labs	4/-
tuning forks (2048/1024/512/480/384/320/288 Hz)	18	labs/demos	4/-
resonance tubes (44.7 cm x 3.6 cm)	8	labs	4/-
rubber hammer	8	labs	4/-
lucite block	1	demos	4/-

coiled lucite rod (for T.I.R.)	1	demos	4/-
gas diffusion column	1	labs/demos	5/-
large concave demo mirror	1	labs/demos	5/-
slinky wave demonstrators	7	labs/demos	6/-
electric wave motion kit	1	labs	6/-
PSSC showcase lamps	6	labs	6/-
wave generators (for strings)	8	labs	6/-
sympathetic tuning fork set	1	demos	6/-
overflow cans	18	labs	7/-
constant speed cars	12	labs.	8/-
electrolysis of water app.	20	labs	8/-
PSSC ticker timers - rheostats		labs	9/-
PSSC momentum collisions in 2-D	4	labs	9/-
carbon paper		labs	9/-
hand stroboscopes	10	labs	9/10
cinder block	1	labs	10/-
electrostatics supplies		labs	10/-
air track air supply/tubing	1	demos	13/-
PSSC meter stick optics bench acc.	1	labs	13/-
PSSC glass slabs – thin film interference kits	16	labs	13/-
PSSC graphite-alcohol (light interference)	10	labs	13/-
mineral oil (1 L) (refraction)	1	demos	13/-
optics cardboard sheets	20	labs	14/-
specific heat masses	2	labs	18/-
water heaters	2	labs	18/-
candles and wax	12	labs	18/-
aquarium alcohol thermometers	4	labs	18/-
coefficient of linear expansion rods		labs	18/-
low voltage power supplies	15	labs	18-19/-
low voltage pwr. supplies (variable)	9	labs	19/-
pwr. supplies (1 – 200 V)	4	labs	20/-
cloud chamber (needle sources - dead)	6	labs	storeroom
Milliken experiment kit (broke)	1	labs	21/-
PSSC explosion dynamics carts	3	labs	22/-
bricks for above carts	20	labs	22/-
bell jars (for vacuum pump)	2	demo	22/-
simple machines accessories		labs	23/-
PSSC dynamics carts	12	labs	23/-
student spectrosopes	25	labs	23/-
milk bottle	1	demo	23/-
electric bell	1	demo	23/-
demo electric timer (das)	1	demo	23/resource/chem
PSSC tangent galvanometers	15+	labs	N.W. shelf, 25-26/-

iron filings shaker	2	labs/demos	27/-
solenoid	18	labs/demos	27/-
magnet wire	1	labs/demos	27/-
galvanometers	5	labs/demos	27/-
electrical energy meter (kW·h)	1	demo	N.W. top
large demo galvanometer	1	demo	N.W. shelf
large demo voltmeter	1	demo	N.W. shelf
large demo ammeter	1	demo	N.W. shelf
wheatstone bridge	7	labs	top of N. shelf
25-mA analog ammeters	3	labs	N.W. cupboard
5-A analog ammeters	13	labs	N.W. cupboard
10-A analog ammeters	2	labs	N.W. cupboard
200-V analog ammeters	12	labs	N.W. cupboard
15-V analog ammeters	4	labs	N.W. cupboard
10-V analog ammeters	4	labs	N.W. cupboard
Leyden jars	2	demos	N.W. cupboard
PSSC tangent galvanometer	16	labs	26/-
induction coils (transformers)	2 set (8)	labs/demos	27/-
magnets (bar/horseshoe)	10+	labs/demos	27/-
capacitor (1mF, 50 V)	1	demo	27/-
remagnetizer	1		27/-
Lenz's law demonstrator	1	demos	27/-
compasses	20+	labs/demos	28/-
Oersted's apparatus		demos	27/-
burette	1	demos	28/-
connecting wire (alligator-banana)		Labs	-/21
connecting wire (banana - banana)		Labs	-/21
connecting wire (alligator-alligator)		labs	-/22
graph paper		labs	-/23
neon bulbs - static energized	6	labs	29/-
electric circuit bulbs (replacement)		labs	29/-
6-V batteries (various)	6	labs	29/-
thermostat (Striemer's)	1	demos	29/-
light meter	1	demos	29/-
generator/motor (poor condition)	3	demos	29/-
solar cell	2	demo	29/-
voltaic cell electrodes (Cu, Fe, Al, Zn)	10	labs	29/-
fuses (replacement)			29/-
connecting wire	2	labs	29/-
resistance wire	1	labs	29/-
momentary contact switches	13	labs	29/-
electrolysis of H ₂ O s. steel electrode kits	8	labs	29/-
Van de Graaff generator	1	demos	30/-
discharge electrode	1	demos	30/-

lissajous sand pendulum	1	demos	S.W. cupboard
CRC handbook (Striemer's)	1		S.W. cupboard
reference books			S.W. cupboard
physics toys			S.W. cupboard
centripetal force aircraft (Striemer's)	4	labs	S.W. cupboard
model rockets/accessories	3	demos	S.W. cupboard
Newton's cradle	2	demos	S.W. cupboard
double pan balance	1	demos	S.W. cupboard
world globe (Striemer's)	1	demos	top East shelf
model rocketry supplies	4	demos	top S.W. shelf
balances dial-o-gram (0.01 g)	11	labs	30/-
balances (0.1 g)	3	labs	30/-
lead shielding (radiation)	9	Labs (AP)	30/-
cloud chamber/thorium mantles	1	Labs (AP)	30/-
vernier calipers (plastic)	5	Labs (AP)	30/-
tool kits	2		31/-
allen keys (Striemer's)	1	labs	31/-
digital multimeters	15	labs	above 31/-
stop watches	14	labs	31/-
pith balls		labs	31/-
charging rods		labs	31/-
charging cloths		labs	31/-
electroscopes	2	labs/demos	S.W. shelves
mechanical wave driver (PASCO)	1	demos	31/-
high temp superconductivity kit	1	demos	31/-
happy and unhappy balls	1	demos	31/-
uranium metal ☼ - 1 gram	1	AP labs	31/-
thorium metal ☼ - 1 gram	1	AP labs	31/-
radioactive source sets	2	AP labs	31/1
gallium metal	1	AP labs	31/-
smart pulleys (PASCO)	8	AP labs	31/-
photagates (PASCO)	10	labs	31/-
voltage sensors (PASCO)	3	labs	31/-
aneroid barometer (Striemer's) (inHg) (29.92 inHg = s. pressure)	1	labs	on south wall
string (rolls)	2	labs	-/25
pens			-/25
cube NIB magnets (Striemer's)	6	labs/demos	-/25
protractors			-/25
matches		demos	-/25
ball bearings			-/25
propane torch (Striemer's)	1	demos	desk drawer(26)
LED's for photoelectric effect		AP labs	desk drawer(26)
rubber balloons (Striemer's)		demos	desk drawer(26)

steel wool		demos	-/27
Tesla coil (hand held)	1	demos	-/27
meter sticks	26	labs	on top of S.E. shelf
series/parallel circuits (MAPT)	1	demos	rear wall
Science Workshop 750 interface (PASCO)	1	demos	teacher's desk
power amplifier II (PASCO)	1	demos	teacher's desk
loudspeaker (PASCO)	1	demos	teacher's desk
computer	1	demos	teacher's desk

Physics Textbooks:

Title	Edition	Quantity	Cupboard Number
Physics: Principles & Problems	Glencoe McGraw-Hill; 2002	51	24
Physics: Principles & Problems Teach. Wraparound Ed. & Resource Package	Glencoe McGraw-Hill; 2002	1	31
Physics: Principles & Problems	Merrill; 1986	39	24
Physics: Principles & Problems	Merrill/Glencoe; 1995	29	24
Physics: Principles & Problems Teacher's Copy	Merrill; 1995	1	31
Physics	Walker	1	Reference shelf
College Physics	Colletta	1	Reference shelf
'67 CRC Handbook (Strierner's)		1	Reference shelf
Tesla (biography) (Strierner's)			Reference shelf
'98 Guinness Book of World Records			Reference shelf
Physics	Cutnell & Johnson; sixth ed. 2004	20	24
TOTAL	Excluding Teachers Copies	139	