

# Suggested Course Materials Summary

The following chart lists the items you may wish to use for a class of 30 using the *Science Links 9* program. The activities can be carried out by pairs or small groups of students, unless the instructions clearly specify that students should work on their own. Suppliers of science lab materials and equipment are listed in the suppliers' section of this *Teacher's Resource*.

Item Description	Suggested Quantity	Needed for These Units
<b>NON-CONSUMABLE</b>		
ammeters	15	4
ball, small	15	3
batteries	15 of each kind	4
BBQ lighter	1	2
beads (3 colours, 2 large, 1 small)	30 of each colour	2
beads (with holes)	110	3
beaker	15	2
beans	3000	3
blindfold	15	3
calculators (scientific)	15	3
clamp	15	4
cloths (or paper towels)	15	2
compasses (mathematical)	30	3
conductivity apparatus/meter	15	2, 4
cork (from a bottle)	15	2
containers (glass, metal)	15	2, 3
ebonite rod	15	4
electroscope	15	4
EnerGuide labels	at least 4 examples	4
Erlenmeyer flask	50	1
eye dropper	15	1
flashlight (or overhead projector)	15	3
flashlight bulbs (with bases)	45	4
fur	15 pieces	4
glass rod	15	4
globe	15	3
gloves (heavy)	15 pairs	3
graduated cylinder (10 mL)	15	2

grow lights (or well-lit space)	2	1
hammer	1	2
hardware (made of steel, iron, and aluminum)	a variety	2
jars with lids (small)	60	2, 3
light bulbs (with bases)	45	4
lighter	1	2
magazines (Canadian)	variety	1
magnet	15	2
magnifying lens	15	2
map (neighbourhood)	15	1, 3
map (Ontario)	1	1
markers (coloured)	several	1, 3, 4
material data safety sheets	1	2
materials (paper, glass, plastic, metal, water, salt solution, sugar solution)	15 samples of each	4
measurement materials (rulers, metre sticks)	various	3
mixtures (samples or photos)	a few	2
modelling clay (3 colours for 2.7)	1 kg of each colour	2
molecular model kits	15	2
newspapers (local)	1	1
nickel ball bearings	30	2
paper clips (metal)	15	2
paper clips (plastic)	15	2
pennies (or plastic game chips)	1000	1
photograph (of gold)	1	2
pictures of introduced species (large)		1
pith ball	15	4
plastic (different types, e.g., containers, tableware, scouring pads, netting)	a few	2
pliers	30 pairs	3
power supply	15	4
pure substances (samples or photos)	a few	2
retort stand	15	4
rubber stoppers	30	2
scissors	15 pairs	2, 3
shoes (with laces)	15 pairs	3

silk	15 pieces	4
spoons (small)	30	2
spoons (stainless steel)	15	2
steel wool	1 box	2
stirring rods	120	2
stopwatch	15	3
switch	15	4
test tube holder	15	2
test tube rack	15	2
test tubes	75	2
voltmeters	45	4
wire leads with alligator clips	200	4
wires (copper)	2 m	2
wires (insulated with alligator clips on the ends)	30	4
<b>CONSUMABLE</b>		
acid, weak	200 mL	2
aluminum foil	1 roll	2, 4
antibacterial cleaning cloths	1	2
baking soda	100 mL	2
balloons (latex, 20-30 cm diameter)	60	2, 4
bromothymol blue	10 mL	2
calcium	small sample	2
calcium carbide	small sample	2
calcium chloride	150 mL	2
carbon	small piece	2
cardboard	30 pieces	3
cardstock (or file folders)	30	3
charcoal	1 piece	2
cleaning products	variety	2
coffee tins (decaffeinated)	3	2
cups (paper)	30	2
cups (plastic)	60	1
cups (Styrofoam®)	30	2, 4
egg	15	2

fertilizer solutions (5 different concentrations)	1 L	1
flour	250 mL	2
food colouring	1 bottle	3
glucose	250 mL	3
household waste (biodegradable, a variety)	3 L	1
household products (or labels)	6 (different)	2
hydrochloric acid (dilute)	150 mL	2
hydrogen peroxide (5%)	75 mL	2
index card	1 package	2
journals	30	1
labels (or white tape)	60	1
lemon	3	2
limewater	50 mL	2
marble chip (or limestone)	15	2
mossy zinc	15 small pieces	2
oil (or maker)	50 mL	2
paint (or any other material used to protect from corrosion)	50 mL	2
paper (3 colours)	15 of each colour	2
paper (chart)	1 pad	4
paper (graph)	30 sheets	1
plant seeds	60	1
plastic bag (resealable)	15	2
plastic wrap	1 box	2
pond water containing algae	500 mL	1
salt	500 mL	2
shoebox (or other small box)	30	3
skewers (or stir sticks)	200	2
soil	5 L	1
splint	15	2
sticky notes	20 pads	3
string (or thread and needle for Activity 2.7)	2 balls	2, 3, 4
sugar (table)	250 mL	2
sugar (powdered)	250 mL	2
sulfur	150 g	2

tape, invisible	2 rolls	4
tape, masking	2 rolls	2
toothpicks	1 box	2
tongue depressor	30	3
vinegar	2 L	2
yeast	30 mL	2