

Orders: (888)-393-5663

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www.workshopplus.com

P.O. Box 425

3055 East Main Street

Danville, IN 46122

**46900 – Laboratory Equipment Set
For Alpha-Omega Grade 6**

Item	Quantity	Item Number
8oz Glass Jar (w/out lid)	1	40275
Alcohol Burner (w/stand) (Fuel not included)	1	50708
Baby Lima Bean Seeds, 4pk	1	46141
Baking Soda, 2tbs	1	40262
Balloon, Large	1	40220
Beaker, glass, 250ml	2	50653
Benedict's Solution, 15ml	1	46912
Black Construction Paper	3	40475
Black Marker	1	40224
Blue Food Coloring	2	40263
Blue Tissue Paper	1	46189
Cardboard	2	40282
Cardboard, 4x4 square	1	40282
Cardstock	2	40528
Chalk	1	40284
Clear Tape	1	40235
Cooking Oil, 15ml	1	40241
Corn Seeds, 24pk	1	46812-24
Corn Starch, 3tbs	1	40825
Cotton Ball, 2pk	1	40436
Cotton Swab	1	40335
Dialysis Membrane, 5cm x 5 cm	2	45303-5cm
Dish Soap, 15ml	1	40264
Economical Magnifier	1	64008
Flashlight	3	40229
Glass Jar, 12 oz	1	40461
Glucose Test Strips, 10pk	1	46112-10
Green Construction Paper	2	46913
Green Tissue Paper	1	46919
Honey, packet	1	40468
Household Ammonia, 50ml	1	45055
Insulated Copper Wire, 6in	1	40538
Iodine Solution, 15ml	1	50699
Jar Lid, 8oz	2	40275
Large Nail, 3"	1	40826
Lima Beans, 4pk	1	40727
Lime Water, 20cc	1	51734
Marble, large	1	40238
Masking Tape, 4in	2	40256-4in
Metal Nut	1	40923
Microscope Slide & Coverslips (10pk)	1	50701
Mint Candy	1	46914
Paper Towels	5	40450
Pencil	2	40239
Phenolphthalein Solution, 10cc	1	51735
Plastic Cup, clear, 12oz	8	40420
Plastic Graduated Cylinder, 10ml	1	45025

Plastic Knife	1	40736
Plastic Petri Dish	1	50638
Plastic Pipette, 1ml	1	46915
Plastic Red Bowl	1	40434
Plastic Spoon	1	40449
Plastic Zip Lock Bag, 10x13in	1	40281
Plastic Zip Lock Bag, 6x6in (Plastic Sandwich Bag)	1	40277
Prepared Slide of a Leaf (Cross Section)	1	50695
Protractor	1	40833
PTC Paper Strips, 10pk	1	45309
Radish Seeds, pack	1	46144
Razor Blade (single-edge)	1	46114
Red Construction Paper	2	40647
Red Food Coloring	1	40263
Red Tissue Paper	1	40285
Rennet Table	1	46916
Rope, 10ft	1	45056
Rubber Bands, small	5	40245-sm
Rubber Stoppers, #00, 15mm	2	51620
Rubbing Alcohol, ¼ cup	1	40732
Ruler, Wooden, 12in	1	40333
Safety Goggles	1	50681
Saltine Crackers, 2pk	1	40742
Scissors	1	40221
Small Block of Wood	1	40829
Small Mirror 2x2"	1	40740
Spectroscope	1	46161
Spring Scale, 250g	1	50572
Stopwatch	1	40533
Straw, Large	3	40288-lg
String, 10ft	1	40544
Styrofoam Cup (Disposable)	2	40471
Styrofoam Cup Lid (Disposable)	2	40351
Test Tube Holder (Clamp)	1	50600
Test Tubes, 15x125 mm, 6pk	1	50709
Thumbtacks, 2pk	1	40222
Toothpick	1	40549
Tuning Fork	1	45053
Vinegar, ¼ cup	1	40261
White Construction Paper	2	46917
White Paper	10	40233
White Trash Bag	1	40624
World Map, with latitude and longitude lines	1	46918
Yellow Food Coloring	1	40263

Please check your order for any shortages and/or damaged items upon receipt.
Please contact Nature's Workshop Plus!, Inc. for any needed replacement, and/or additional items.
Please observe all safety precautions when doing experiments. See last page for safety precautions!
Please note that exact quantities may vary slightly, and some items may not be included due to limited availability or seasonal shortages.

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**46900 – Laboratory Equipment Guide
For Alpha-Omega Grade 6**

LIFEPAC 601

46901

Items Provided:	Items You Provide:
Alcohol Burner (w/stand)* (In box) Beaker, glass, 250ml* (In box) Iodine Solution* Magnifier* Plastic Pipette, 1ml* Ruler* Test Tubes, 15x125mm* (In box) 8oz Glass Jar (w/out lid) Baby Lima Beans, seeds (4) Benedict's Solution Disposable Cups with lids (Cups in box) (Styrofoam) Food Coloring, Blue Glass Jar, 12oz Masking Tape Microscope Slides & Coverslips Paper Towels (5) Plastic Bag, 10x13in Plastic Bag, 6x6in Prepared Slide of a leaf cross section Radish Seeds (4) Razor Blade (single-edge) Saltine Crackers Thumbtacks (2)	Anacharis (<i>Elodes</i>) or Cabomba (<i>Carolina Fanwort</i>) Celery Stalk with Leaves Lettuce Microscope (<i>If you need to purchase a microscope, please contact Nature's Workshop Plus!</i>) Patience and Persistence Rolling Pin Stapler <i>Stem cutting of growing plant</i> Water Fuel for Alcohol Burner (Lamp)

***Items found in Miscellaneous Supply Pack**

LIFEPAC 602

46902

Items Provided:	Items You Provide:
Alcohol Burner (w/stand)* (In box) Beaker, glass, 250ml* (In box) Iodine Solution* Lime Water* Plastic Pipette, 1ml* Test Tubes, 15x125mm* 10ml Plastic Cylinder Cooking Oil Corn Starch Cotton Balls (2) Dialysis Membranes (2) Dish Soap Glucose Test Strips Honey Jar Lids (2) Masking Tape Rennet Tablet Rubber Stoppers (2) Rubbing Alcohol Rubber Bands, small (2) Straws (2) Test Tube Clamp	Blackboard Hand Pump Watch Water Whole Milk Fuel for Alcohol Burner (Lamp)

LIFEPAC 603

46903

Items Provided:	Items You Provide:
Pencil* Scissors* Cardboard	Bowl of Water Fish Food Goldfish

LIFEPAC 604

Items Provided:	Items You Provide:
Ruler* Magnifier* Black Construction Paper Corn seeds (24) Lima Beans (4) Mint Candy Plastic Knife PTC Taste Paper Strips Toothpick White Trash Bag	Fresh Flower Large Pea Pod (found at local grocery store) Pots of Soil

*Items found in Miscellaneous Supply Pack

LIFEPAC 605

46905

Items Provided:	Items You Provide:
Alcohol Burner (w/stand)* (In box) Beakers, glass, 250ml* (In box) Iodine Solution* Lime Water* Plastic Pipette, 1ml* Baking Soda Balloon Cotton Swab Household Ammonia Phenolphthalein Solution Plastic Spoon Small Block of Wood Straw Vinegar	Copper Penny Plastic Refrigerator Dish Soda Pop Fuel for Alcohol Burner (Lamp) Please make sure to use a WELL VENTILATED AREA When Attempting all Alcohol burner projects.

LIFEPAC 606

46906

Items Provided:	Items You Provide:
Rope* Beakers, glass, 250ml* (In box) Pencil* 10 White Paper Black Construction Paper (2) Blue Food Coloring Blue Tissue Paper (Blue Cellophane) Clear Tape Flashlights (3) Green Tissue Paper (Green Cellophane) Green Construction Paper Plastic Cups (8) (In box) Plastic Petri Dish Red Construction Paper Red Food Coloring Red Tissue Paper (Red Cellophane) Rubber Bands, small (3) Small Mirror Tuning Fork White Construction Paper Yellow Food Coloring	Bowl of Water Coin Soda Pop Bottles Warm Water Water

LIFEPAC 607

46907

Items Provided:	Items You Provide:
Rope* Scissors* Cardboard Cardboard Square Large Marble Plastic Bowl Spring Scale Stopwatch Wire	Heavy Box Milk Carton Quart Jar Sand or Dirt

***Items found in Miscellaneous Supply Pack**

LIFEPAC 608

46908

Items Provided:	Items You Provide:
Ruler* Chalk	150 Pennies Ball of String or Twine Coin Dark Room Large Ball Small Ball Strong Light Yardstick

LIFEPAC 609

Items Provided:	Items You Provide:
Ruler* Scissors* Pencil* Plastic Pipette, 1ml* Black Marker Cardstock* Large Nail Metal Nut Protractor Spectroscope String World Map with latitude and longitude lines	Assistant Automotive Motor Oil Light bulb Liquid Black Ink Mercury vapor street light Neon sign Plastic Glass or Cup Tablespoon Water

LIFEPAC Miscellaneous Supply Pack

46911

Alcohol Burner (w/stand)* (In box) Beaker, glass, 250ml* (2) (In box) Iodine Solution* Magnifier* Plastic Pipette, 1ml* Ruler* Test Tubes, 15x125mm* (6) Lime Water* Pencil* (2) Scissors* Rope* Safety Goggles* (In box)
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***Items found in Miscellaneous Supply Pack**

BOLD ITEMS – These items will be reused in other labs. Make sure you are saving enough for those labs. Some of these items also maybe too big to fit in a “lesson bag” and instead will be placed outside of its lesson bag in the actual lab box.

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Please contact *Nature's Workshop Plus!, Inc.* for any needed replacement, and/or additional items.
Please observe all safety precautions when doing experiments.
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Individual Lab Experiment Breakdown

Page 5 – Experiment 601.A – Photosynthesis Lab

In Your Kit:	You Provide:
Test Tubes, 15x125mm Disposable Cups with lids Glass Jar, 12oz Masking Tape	Anacharis (<i>Elodes</i>) or Cabomba (<i>Carolina Fanwort</i>) Water

Page 8 – Experiment 601.B – Seed Sprouting Lab

In Your Kit:	You Provide:
Baby Lima Beans, seeds Paper Towels Test Tubes, 15x125mm	Water

Page 13 – Experiment 601.C – Digestive Enzymes

In Your Kit:	You Provide:
Saltine Crackers Plastic Bag, 6x6in (Plastic Sandwich Bag) Plastic Pipette, 1ml (Metric Dropper) Iodine Solution Benedict's Solution Test Tubes, 15x125mm Beaker, glass, 250ml Alcohol Burner (w/stand)	Rolling Pin Water

Page 25 – Experiment 601.D – Root Hairs

In Your Kit:	You Provide:
Radish Seeds Ruler Thumbtacks Magnifier (Hand Lens) Plastic Bag, 10x13in Paper Towel Microscope Slides & Coverslips	Microscope (<i>If you need to purchase a microscope, please contact Nature's Workshop Plus!</i>) Stapler

Page 30 – Experiment 601.E – Stems Cross Section & Page 33 – Experiment 601.F – Leaves Cross Section & Page 39 – Experiment 601.G – Natural Plant Regulation

In Your Kit:	You Provide:
Plastic Pipette, 1ml (Dropper) Food Coloring, Blue Microscope Slides & Coverslips 8oz Glass Jar (w/out lid) Razor Blade (single-edge) Ruler Prepared Slide of a leaf cross section	Celery Stalk with Leaves Lettuce (<i>If you want to create your own slide for Experiment 601.F instead of using the prepared slide</i>) <i>Stem cutting of growing plant</i> Microscope (<i>If you need to purchase a microscope, please contact Nature's Workshop Plus!</i>) Water Patience and Persistence

Page 7 – Experiment 602.A – Rennin Lab

In Your Kit:	You Provide:
Alcohol Burner (w/stand) Rennet Tablet Beaker, glass, 250ml 10ml Plastic Cylinder Test Tube, 15x125mm Test Tube Clamp	Whole Milk Water Fuel for Alcohol Burner (Lamp)

Page 8 – Experiment 602.B – Emulsions

In Your Kit:	You Provide:
Test Tubes, 15x125mm Rubber Stoppers Plastic Pipette, 1ml (Dropper) Cooking Oil Dish Soap	Water

Page 10 – Experiment 602.C – Absorption and Diffusion

In Your Kit:	You Provide:
Dialysis Membranes Honey Corn Starch Small Rubber Bands Masking Tape Beakers, glass, 250ml Test Tubes, 15x125mm Glucose Test Strips Iodine Solution	Water

Page 29 – Experiment 602.D – Limewater Test

In Your Kit:	You Provide:
Lime Water Straws Beakers, glass, 250ml (Baby Jars)	Hand Pump

Page 32 – Experiment 602.E – Cooling of the Skin

In Your Kit:	You Provide:
Rubbing Alcohol Jar Lids Cotton Balls	Water Watch Blackboard

Page 23 – Experiment 603.A – Conditional Responses

In Your Kit:	You Provide:
None	Goldfish Bowl of Water Fish Food

Page 24 – Experiment 603.B – Trail-and-Error Learning

In Your Kit:	You Provide:
Cardboard (Heavy Paper) Scissors	None

Page 26 – Experiment 603.C – Habits

In Your Kit:	You Provide:
Pencil	Watch or Clock

Page 7 – Experiment 604.A – Flower Examination

In Your Kit:	You Provide:
Magnifier (Dissection Scope) Black Construction Paper Plastic Knife Toothpick	Fresh Flower

Page 12 – Experiment 604.B – Lima Bean Embryo

In Your Kit:	You Provide:
Lima Beans Magnifier (Dissection Scope)	None

Page 25 – Experiment 604.C – Taste Gene Lab

In Your Kit:	You Provide:
White Trash Bag PTC Taste Paper Strips Mint Candy	None

Page 38 – Experiment 604.D – Corn and Sorghum Plants

In Your Kit:	You Provide:
Corn seeds	Pots of Soil

Page 45 – Experiment 604.E – Pea Pod Investigation

In Your Kit:	You Provide:
Ruler	Large Pea Pod (found at local grocery store)

Page 6 – Experiment 605.A – States of Matter

In Your Kit:	You Provide:
Balloon Small Block of Wood	Plastic Refrigerator Dish Soda Pop

Page 12 – Experiment 605.B – Copper Iodide

In Your Kit:	You Provide:
Iodine Solution Cotton Swab Alcohol Burner (w/stand) Beakers, glass, 250ml (small pan)	Copper Penny Fuel for Alcohol Burner (Lamp)

Page 13 – Experiment 605.C – Calcium Carbonate

In Your Kit:	You Provide:
Lime Water Straw Beakers, glass, 250ml (Baby Jars)	<i>None</i>

Page 38 – Experiment 605.D – Testing For Bases

In Your Kit:	You Provide:
Phenolphthalein Solution Vinegar Baking Soda Household Ammonia Beakers, glass, 250ml (Plastic Glasses) Plastic Spoon Plastic Pipette, 1ml (Eyedropper)	<i>None</i>

Page 10 – Experiment 606.A – Sound Waves

In Your Kit:	You Provide:
Tuning Fork	Soda Pop Bottles Bowl of Water

Page 15 – Experiment 606.B – Rope Wave Formation

In Your Kit:	You Provide:
Rope	<i>None</i>

Page 17 – Experiment 606.C – Refraction of Light

In Your Kit:	You Provide:
Plastic Petri Dish Pencil	Coin Water

Page 23 – Experiment 606.D – Color Spectrum

In Your Kit:	You Provide:
Beakers, glass, 250ml (Glass Dish) Small Mirror	Water

Page 26 – Experiment 606.E – Create a Rainbow

In Your Kit:	You Provide:
Beakers, glass, 250ml (Drinking Glass) 10 White Paper Clear Tape	Water (Tape the white paper in a giant square for better results, depending how high the window is from the floor)

Page 33 – Experiment 606.F – Subtractive Colors

In Your Kit:	You Provide:
Green Cellophane White Construction Paper Black Construction Paper Green Construction Paper Red Construction Paper	<i>None</i>

Page 36 – Experiment 606.H – Mixing Colored Lights

In Your Kit:	You Provide:
Green Cellophane White Construction Paper Blue Tissue Paper (Blue Cellophane) Red Tissue Paper (Red Cellophane) Flashlights Rubber Bands (To help hold the paper and cellophane on the flashlights)	<i>None</i>

Page 38 – Experiment 606.I – Mixing Colorants

In Your Kit:	You Provide:
Red Food Coloring Blue Food Coloring Yellow Food Coloring Plastic Cups	Warm Water

Page 10 – Experiment 607.A – Forces of Lifting and Pulling

In Your Kit:	You Provide:
Spring Scale Rope	Heavy Box

Page 20 – Experiment 607.B – Stair Climbing Horsepower

In Your Kit:	You Provide:
Stopwatch	

Page 24 – Experiment 607.C – Inertia

In Your Kit:	You Provide:
Cardboard Square Large Marble	Quart Jar Sand or Dirt

Page 36 – Experiment 607.D – Water Wheel

In Your Kit:	You Provide:
Cardboard Wire Scissors Plastic Bowl	Milk Carton

Page 21 – Experiment 608.A – Blackout

In Your Kit:	You Provide:
<i>None</i>	Coin

Page 24 – Experiment 608.B – Eclipses

In Your Kit:	You Provide:
<i>None</i>	Large Ball Small Ball Strong Light Dark Room

Page 31 – Experiment 608.C – Compare the Size of the Earth and the Sun

In Your Kit:	You Provide:
Ruler Chalk	Yardstick Ball of String or Twine 150 Pennies

Page 21 – Experiment 609.A – The Spectroscope

In Your Kit:	You Provide:
Spectroscope	<i>None</i>

Page 25 – Experiment 609.B – Use Your Spectroscope

In Your Kit:	You Provide:
Spectroscope	Light bulb Neon sign Mercury vapor street light

Page 27 – Experiment 609.C – Create and Observe a Spectrum

In Your Kit:	You Provide:
Plastic Pipette, 1ml (Eyedropper)	Water Liquid Black Ink Plastic Glass or Cup Automotive Motor Oil Tablespoon

Page 35 – Experiment 609.D – Number the Stars

In Your Kit:	You Provide:
Pencil Scissors Cardstock (Poster board) Ruler	<i>None</i>

Page 39 – Experiment 609.E – Making a Star Chart

In Your Kit:	You Provide:
Scissors Cardstock (Poster board) Ruler String Large Nail Black Marker	Assistant

Page 45 – Experiment 609.F – Navigation Investigation

In Your Kit:	You Provide:
Pencil Scissors Ruler String Metal Nut Protractor World Map with latitude and longitude lines	Assistant

There are no experiments in this unit.

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PRECAUTIONS AND FIRST AID INFORMATION

Ammonia:

Warning: Avoid contact with eyes, skin and inhalation.

First Aid Information: Eye Contact: Flush with large amounts of water for at least 15 minutes. Seek medical aid. Skin Contact: Immediately flush with large quantities of water while removing contaminated clothing. Inhalation: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as needed. Seek medical aid. Ingestion: DO NOT INDUCE VOMITING! Rinse mouth with water and give plenty of milk or water to drink. Immediately seek medical aid!

Benedict's Solution:

Warning: Avoid contact with eyes, skin and inhalation.

First Aid Information: After contact with eyes, Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. After contact with skin, wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Iodine Solution:

Warning: Avoid contact with eyes, skin, clothing and inhalation.

First Aid Information: After contact with eyes and/or skin, wash immediately with plenty of water. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. If inhaled, allow the victim to rest in a well ventilated area. Do not induce vomiting. Seek immediate medical attention.

Phenolphthalein Solution

Warning: Hazardous in case of skin or eye contact. Prolonged exposure may result in skin burns and ulcerations.

First Aid Information: Flush eyes with plenty of water for at least 15 minutes. In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. If swallowed, do not induce vomiting unless directed to do so by medical personnel. If inhaled, remove to fresh air. Get medical aid.

Please make sure to use a WELL VENTILATED AREA When Attempting all Alcohol burner projects. Wear proper protective clothing, gloves, goggles, etc. Adult supervision is required!