

Philmont Equipment List

Note: Items listed in **bold** require some research to make a good selection, and diligent shopping to find a good price.

Personal Gear

- **Frame backpack with padded hipbelt**
 - Internal frame packs should have a capacity of 4500 cubic inches; external 3500
 - Typical prices range from \$60 on sale to \$200 retail. Alps Mountaineering has frequent sales at www.scoutdirect.com and packs can be purchased at 45% off anytime. Should not have to pay more than \$100 for a good pack.
 - Get an adjustable pack to fit the scout as he grows. Have someone fit them for a pack or consult the backpack selection guide at www.rei.com/expertadvice/camping#tab_4. Measure the distance from the 7th vertebrae (protruding bone at the base of the neck) to the hipbone for harness length and make sure this length is in the range of adjustment for the pack.
 - Make sure the pack has good hip pads and waist adjustment and is comfortable to the scout since the weight needs to rest on the hipbones and not the shoulders.
 - Many packs have a fanny pack as the top cover which is handy for day trips.
 - Pack must hold the tent (one per 2 people), sleeping bag, and sleeping pad as the three main large items and still have room for food and crew gear. Put sleeping bag in a plastic bag then in its stuff sack and put in the bottom of the pack. A small campstool can be hung off the back of the pack as well as water bottles.
 - *Pack should weigh 25 lbs. or less with only personal gear.* Crew gear, food, and 2 liters of water will weigh 10-15 lbs.
- Waterproof pack cover or 2 heavy-duty (contractor 3 mil) garbage sacks. Some packs have covers built in.
- 6 –12 one-gallon zip lock bags and several kitchen size garbage bags (wash basin for body and clothes, hauling water, keeping things dry, storage for dirty clothes, garbage, etc.)
- 2 bandannas for dish drying, washing, sweat, etc.
- Small flashlight with extra bulb and batteries
 - Head mounted light is very useful
 - LED (light emitting diode) light rather than incandescent bulb light will not burn out and will use less battery power
- Spoon, deep bowl, and cup (or use water bottle) – cheap plastic is fine
- 3 one quart Nalgene water bottles or 2 one quart bottles and 1 Camelbak (each person goes through this much water daily)
 - Consider every member carrying an additional collapsible water container for use at dry camps so that the weight of extra water may be distributed more evenly.
- Small pocketknife (2 per crew is enough)
- Money – about \$20 in small bills (food pickup points have snacks)
- Note pad or log book and pen/pencil (required)
- Coffee/oatmeal (optional – personal choice)
- First aid supplies with personal medicine
- Extra ziplock bags – need a one gallon for personal gear in bear bag
- Camera, film, extra batteries
- Whistle
- Watch
- Insect repellent (be careful where used – it has a scent; need at least 2 oz)
- Sunscreen
- Duct tape (10 feet or so wrapped around a pencil – better than moleskin for blisters)
- Sunglasses
- Personal toiletries
 - Toothbrush/paste/floss (bring extra floss to use as thread)
 - Lip balm (Carmex is the best)
 - Soap (Campsuds or small bar – Philmont furnishes 6 oz bottle of Campsuds)
 - Toilet paper
- Optional items – trekking poles, small towel, wide brimmed hat, camp chair, Frisbee, postcards and stamps

Sleeping Gear

- **Sleeping bag**
 - 20 to 35 degree with a water proof stuff sack; include a plastic bag to ensure dryness (outdoor temp will get into 40s)
 - Typical price is \$100-\$150, maybe less on sale. See www.scoutdirect.com for good non-sale prices of \$100 and under.
 - Try to get one that weighs 3 lbs. or less Synthetic fill material is less expensive than down and dries quicker, but is a little heavier
 - Fleece or Coolmax liner helps to insulate and provides a lighter weight covering for warmer nights
 - See the REI website at www.rei.com/expertadvice/camping#tab_4 for additional help.
- **Sleeping pad (Thermarest or the like)**
 - Take a repair kit for Thermarest. Alps Mountaineering has the best prices and includes repair kit (www.scoutdirect.com).
 - Inflatable type is preferred

- Typical weight is 1 lb.
- **Lightweight 2-man tent**
 - 4-5 lbs. is a good weight for a 2-man tent; include a ground cloth
 - Philmont supplies a 2-man tent as part of the registration fee for each pair of participants, but these weigh about 5.5 lbs. The 2004 crew recommends getting your own lighter tent. This is personal preference.
 - A good example is the REI quarter or half dome tent. Look for these specifications, but look for tents under \$150. Good sales should result in these being found near \$100. Also see the Zephyr 2 at www.scoutdirect.com for \$80.
 - See the REI website at www.rei.com/expertadvice/camping#tab_4 for additional help.
- Pillow (optional – can use a stuff sack with extra clothes)

Clothing

- Rain jacket with sealed seams (look for tape over the seams on the inside to prevent leakage)
 - Make sure it is waterproof, not water resistant
- 1 long pants (waterproof rain pants with sealed seams or convertible pants)
 - Cheapest waterproof pants are fine
 - Get ones with zipper at the bottom to cover boots
- 1 long sleeve shirt (lightweight fleece or stretchy polypropylene biking shirt)
- 2 short sleeve shirts – synthetic material is preferred since it dries quicker than cotton
- 2 hiking shorts (1 pair used as sleeping clothes, maybe convertible pants) – Nylon is preferred since it dries quickly
- Sleeping clothes (T-shirt and shorts worn only while sleeping)
 - Synthetic like nylon or acrylic which doesn't hold moisture is recommended
- 2 pair underwear
- 2 pair hiking socks (wear one pair, sleep in one pair, and swap when hiking pair needs washing)
 - Synthetic or wool are recommended over cotton since they do not hold moisture
- 2-3 pair synthetic sock liners
 - A personal choice, but they do prevent blisters
- Wool or fleece hat and gloves
- **1 pair broken in hiking boots**
 - Boots must be purchased and broken in AT LEAST 6 months prior to departing for Philmont to avoid foot discomfort
 - Try boots on with the socks you will hike in
 - Only use boots which rise above the ankles to give proper support and stability
 - Boots MUST be waterproof, NOT water resistant. Built-in Gortex liners are suggested which help expel moisture
 - The more seams the boots have the more likely to leak. Make sure seams have tape on the inside.
 - Soles of the boots should be stiff; Vibram soles are the best. Light weight boots may cause foot discomfort on long trips.
 - For good fitting techniques, go to www.rei.com/expertadvice/camping#tab_4. General guidelines:
 - Before lacing, tap the front of the boot on the floor to get toes to the end of the boot. There should be about a finger width between the heel and the back of the boot. This will provide enough room to wiggle toes.
 - Lace the boots and then jump on a downhill slope. Upon landing the toes should not touch the inside front of the boot.
 - Boots can run \$80 to \$200, but they can be found on sale. A good price for a quality pair is \$100-\$150.
 - It is a good idea to purchase at REI due to their expertise, selection, and excellent return policy even on used boots.
- Camp shoes (optional, but nice)
 - Lightweight tennis shoes or crocks – MUST be close-toed

Crew Gear

- Compass (2 per crew)
- Extra batteries (2 per crew)
- First aid and CPR certifications
- First aid kit
 - Adhesive bandages (assorted sizes)
 - Moleskin/molefoam (or duct tape)
 - Gauze pads—3 by 3 inches
 - Second skin
 - Adhesive tape—1 inch by 5 yards
 - Antihistamine
 - Four-inch elastic bandage
 - Cold caplets
 - Disposable alcohol wipes
 - Small bar soap
 - Sunscreen lotion (SPF 15 or above)
 - Antibiotic ointment

- Ana-Kit (if needed)
- Triangular bandage
- Steroid cream
- Oval eye patch
- Tweezers
- Insect repellent (containing DEET)
- Needle
- Acetaminophen
- Scissors
- Ibuprofen tablets
- Safety pins
- Antacids
- Side cutters
- Foot powder
- Chemical ice packs
- Latex gloves
- Thermometer
- Lip balm
- Throat lozenges
- Barrier device for resuscitation
- 10 extra tent stakes
- Lighter (one per stove – keep in waterproof location)
- Dining fly (if we don't use Philmont's)
- Thin nylon cord for clothes lines, etc. (100-200 feet total)
- Cooking gear – Philmont's equipment will work fine. Also need 1 qt. zip lock freezer bags (3 for supper per 2 people, or 30 bags total), and 1-liter pot with lid (if we don't use Philmont's)
- Stove and fuel (minimum 3 per crew)
 - White gas stoves are highly recommended
 - More gas can be purchased along the trail; propane canisters are not refillable and have to be carried in and out
 - Rule of thumb: Test beforehand to see how much time and fuel it takes to boil water, then add 25% to estimate how much to get at each stop on the trail based on how many meals will have to be cooked between stops
 - Coleman stoves are good, but are generally heavier than some that are more expensive
 - Whisperlite is the one most prefer – light weight with refillable white gas canister
 - For white gas stoves, take 2-33oz. MSR type bottles and a funnel to refill
- Small plastic shovel
- Pad lock (need for Philmont crew locker)
- Water filters (2 per crew and 2 extra cartridges per crew; may help to have a third just in case on stops working)
- Sewing kit (1 per crew) and heavy-duty needle and thread
- Philmont furnished items – we'll use some of these
 - Philmont map (only one per crew while on the trail)
 - One 12-by-12 dining fly (weight about 4 pounds) – we can probably find a lighter one
 - Two collapsible poles for dining fly (weight about 1 pound) – we can use hiking staffs instead
 - One BSA Philmont backpacker nylon tent with poles for each two people (weight about 5 1/2 pounds)
 - Probably can buy a lighter one for \$100-\$150; personal preference
 - One trail chef kit (either 6-pound or 4-pound):
 - 6-pound kit contains: 8-quart pot, 4-quart pot with lid, one fry pan with handle
 - 4-pound kit contains: 6-quart pot, 4-quart pot with lid, one fry pan with handle
 - One chef cutlery kit with two large spoons, one large spatula (weight about 1/2 pound)
 - Two pair of hot-pot tongs (weight about 1/2 pound)
 - One extra 8- or 6-quart pot for washing dishes (weight about 1 pound)
 - Plastic trash bags
 - Salt and pepper
 - Dishwashing soap, hand sanitizer
 - Scrub pads
 - Water purification chemical – will use in the event there is a problem with water filter; filtered water tastes better
 - One 150-foot length of 1/4-inch nylon rope (weight about 2 1/2 pounds)
 - Three bear bags for hanging food (weight about 1 1/2 pounds)
 - Plastic strainer or screen, and rubber scraper (weight about 1/2 pound)
 - Toilet paper

Quick look up table for major items

Note: Consult www.rei.com/expertadvice/camping#tab_4 to become familiar with the gear selection process.

Item	Good Sale Price	Target Weight	Key Features
Backpack	\$60-\$100	A good pack is light weight	4500 cubic inches internal frame; 3500 external. Pack should weigh 25 lbs. or less without crew gear and food. See the Alps Mountaineering website at www.scoutdirect.com for some of the best deals on non-sale packs at \$88 and less.
Hiking Boots	\$80-\$150	N/A	Try boots on with the socks you will hike in. Only use boots which rise above the ankles to give proper support and stability. Boots MUST be waterproof, NOT water resistant. The more seams the boots have the more likely to leak. Make sure seams have tape on the inside. Soles of the boots should be stiff; Vibram soles are the best.
Lightweight Tent	\$100-\$150	4-5 lbs.	A good example is the REI quarter or half dome tent (www.rei.com), or the Zephyr 2 at Alps Mountaineering. See the Alps Mountaineering website at www.scoutdirect.com for some of the best deals on non-sale tents at \$90 and less.
Sleeping Bag	\$80-\$150	Less than 3 lbs.	Get a 20 to 35 degree bag with a water proof stuff sack; include a plastic bag to ensure dryness (outdoor temp will get into 40s). Synthetic fill material is less expensive than down and dries quicker, but is a little heavier. See the Alps Mountaineering website at www.scoutdirect.com for some of the best deals on non-sale sleeping bags at \$100 and less, and pads for \$33 and less.