



# OATC - EQUIPMENT LISTS

To have the most enjoyable time at Philmont, OATC Leadership recommends and or requires the following items. At the conclusion of work week all participants will have the opportunity to send down extra/dirty items down to base for storage during trek week. You will find this list very similar to one found on Philmont's website with specific changes to fit the need of our program and further explanation. For any questions, reach out to the seasonal leadership.

## YOUR PERSONAL EQUIPMENT

### LOWER BODY LAYERS

You will need 1-2 synthetic insulating layers. All must fit comfortably over each other, so they can be worn in combination.

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Base Layer	1	Long underwear bottom, mid-weight, synthetic or wool. Used for cold mornings or evenings & as extra warmth while sleeping.	T	
Rain Pants	1	Lightweight & sturdy	T, A	
Long Pants	2	Pants needed for spar pole climbing, horseback riding, cold weather, and <b>required for conservation work week.</b>		
Underwear	3		T	
Hiking Shorts	1		T	

### UPPER BODY LAYERS

It is imperative to layer your clothing, combining different garments to achieve protection from the elements and optimum insulation. Synthetic or wool layers are recommended as they insulate when wet. Avoid cotton as it does not insulate when wet. The current OATC worksite is located at 10,896ft in elevation and can become quite exposed to rain, hail and even snow.

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Base Layer	1	Long underwear top, mid-weight, synthetic or wool. Used for cold mornings or evenings & as extra warmth while sleeping.	T	
Middle Layer	1	Wool sweater or fleece pullover	T	
Top Layer	1	Lightest and warmest available. Wool or fleece is best since they both provide warmth if wet.	T, E	
Rain Jacket	1	Sturdy, waterproof jacket with a hood. Layer over fleece for extra warmth.	T, A, E	
Shirt – Short Sleeve	2	Moisture wicking; avoid cotton.	T	
Shirt – Long Sleeve	1	Moisture wicking; avoid cotton. Warmth layer for cold mornings or evenings.	T	
Sports Bra	2	Synthetic blend	T	

### HEAD/NECK/HANDS

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Wool or Fleece Hat	1	Preserves body heat during cool evenings and while sleeping.	T	
Work Gloves	1	Gloves will be provided by OATC but feel free to bring your own personal work gloves	T	
Baseball Cap or WideBrim Hat	1	Protect ears and face from the sun.	T	

**CODE:** (T)=Available at Philmont's Tooth of Time Traders; (A)=Easily accessible in pack or carried on person; (C)=Available for resupply at commissary camps; (BB)=Packed in bear bag at night; (E)=The Essentials for Hiking at Philmont; (S)=Share with a buddy; (O)=Optional

## PACKS AND BAGS

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Backpack	1	Internal frame 75L (4600 cubic in) External frame 65L (3966 cubic in) Rental available w/pack cover = \$30	T	
Summit or Daypack	1	For sending extra personal gear down after work week.	T	
Lashing Straps	1	To hold a sleeping bag or other gear on pack.	T	
Gallon Ziploc Bags	6-12	Keep your gear dry and clothing organized. Can be provided by the Conservation Dept.	T	
Pack Cover	1	Waterproof; make sure it fits over the pack when full and any external items.	T, A	
Small Stuff Sacks	2-3	Pack personal items and keep organized.	T	
Ditty Bags	1-2	Put all personal smellables in one bag and raise it in the bear bag at night.	T	
Ground Tarp	1	Tarp for use under tent		

## SLEEPING GEAR

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Sleeping Bag	1	Rated to 20°F and less than 4 lbs.	T	
Waterproof Stuff Sack	1	Alternatively, you can also use a compression sack lined with a plastic trash bag.	T	
Sleeping Pad	1	Provides padding and insulation from the ground.	T	
Sleep Clothes	1 set	Worn only in your sleeping bag; T-shirt and gym shorts are acceptable.	T	

## FOOTWEAR

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Boots	1 pair	Well broken in boots that are durable and fit comfortably. Boots with ankle support are highly recommended. Tough boots required for work week.	T	
Socks	4 pairs	Synthetic or wool. More welcomed if you wish to carry them. MUST be of hiking quality.	T	
Liner Socks	One pair per socks	Synthetic or wool; wicks away sweat from the foot and can help prevent blisters. Enjoyed by some, found not as useful by others.	T, O	
Camp Shoes	1 pair	Sturdy, lightweight, closed-toe shoes; Used in camp, on side hikes, for rock climbing, biking, etc.	T, O	

## MISCELLANEOUS ITEMS

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Bowl	1	Deep bowl; lightweight material	T	
Mug/Cup	1	12-20 oz.; measuring style recommended.	T, O	
Spoon/Spork	1	Lightweight	T	
Water Bottles	4+	Waters bottles should have 1-quart capacity; any combination of bladders and bottles are accepted, but at least one water bottle is necessary; minimum total water capacity per person = 4 quarts	T, A, BB, E	
Pocket Knife	1	Small knife for opening food packages and water purification tablets.	T, A, S, E	
Matches or Lighter	1	Pack in waterproof container for lighting camp stove; can be shared w/buddy or among the crew.	T, BB, S, E	
Flashlight or Headlamp	1	Durable and lightweight; everyone in the crew should have a personal light source; bring extra batteries.	T, E	
Trekking Poles w/rubber tips		Recommended only for participants with severe knee or balance issues	T, O	

Philmont Maps Sectional	2 sets	Overall maps are not suitable for navigation; sectional maps provide more detail for accurate navigating. One – two sets required to be bought per crew upon arrival at Philmont.	T, A, S, E	
Compass	1	Liquid filled compass w/rotating dial is optimal.	T, A, S, E	
Bandana or tube headgear	1	Serves as a washcloth, hot pot holder, and a variety of other uses.	T, BB	
Money	\$5-\$20	Small bills; backcountry trading posts have a variety of items.	BB	
Lip Balm	1	Moisturizing balm with SPF 25+	T, A, BB	
Soap	1	Biodegradable; for body and clothes; small amount needed. For showering in base camp	T, BB, S	
Toothbrush	1	Travel size	T, BB	
Toothpaste	1	Small amount needed.	T, BB, S	
Camp Towel	1	Quick drying and small. For showering in base camp	T	
Tampons and/or Pads		Strongly recommended for participants with menstrual cycles to bring; enough supplies for duration.	T, BB	
Personal Medication		Enough for the entire session.	BB	
Sunglasses	1		T, O	
Watch		Encouraged to be left at base so the crew can enjoy “God’s Time”.	T, O, E	
Camera	1	Bring sufficient supply of batteries and memory cards. <b>Highly preferable to cell phone</b>	T, BB, S	

## EQUIPMENT ISSUED BY PHILMONT AND CONSERVATION DEPARTMENT

Each crew of 7-12 persons is issued the following equipment free of charge upon arrival at the ranch.

EQUIPMENT	QTY	COMMENTS	CODE	CHECK
Thunder Ridge Shelter (Dining Fly)	1	12' x 10'; weight 2lbs, 3oz; Crews may bring their own; A wide/short dining fly is preferred over a tall narrow one.		
Collapsible Poles	2	For dining fly; weight 1lb, 5oz; Trekking poles are a convenient substitute.		
Philmont Thunder Ridge Tent	1 per 2 ppl	Weight with poles 5lbs, 13oz; Footprint 88" x 54"; Personal tents must be fully enclosed; Single person tents are NOT allowed due to larger overall camp impact, except in the event of odd numbered crews or male/female tenting needs. Includes tents by Conservation Department		
10L Water Container	1	Capacity of 10 liters of water for dry camps. Provided by Conservation Department		
Cooking Pot	1	8 quart aluminum pot with lid; weight 1lb, 12.8oz; Must be large enough to cook for everyone in the crew; Must be large enough to fully submerge dishes and utensils for sanitizing before eating.		
Dishwashing Pot	1	8 quart aluminum pot without lid; weight 1lb, 4oz; Must be large enough to heat water for washing and rinsing.		
Large Spoon	1	3oz		
Hot Pot Tongs	1	4oz; Multi-tool with pliers or hook can be used instead.		
Backpacking stove	2	MSR white gas Dragonfly stoves provided by Conservation Department		
Fuel Bottles	2	1 quart		

Plastic Trash Bags	10	Personal preference; multi-purpose	C	
Dishwashing Soap	1	CampSuds; a little goes a long way.	BB, C	
Hand Sanitizer	1	Personal hygiene	BB, C	
Scrub Pads	1	1 large piece that can be cut into smaller pieces for cleaning pot and dishes after dinner.	BB, C	
Water Purifier Tablets	10 per person	Crew will receive 1 sheet that holds 10 tablets for each person in their crew; 1 Micropur tablet treats 1 liter of water; save empty sheets for resupply at backcountry commissaries.	C	
Bear Rope	2-3	Nylon; weight 1lb, 3.2oz each; 100 feet in length, 1/4 in in diameter; We require that crews use Philmont bear rope or personal rope of equivalent dimensions; Smaller ropes are more difficult to hoist, can fray, and can either snap on bear cable or damage bear cable; 2 ropes on Philmont property, 3 ropes off Philmont property.	BB	
Bear Bags	5-8	For hanging food and other smellables; weight 1lb, 8oz; can hold up to 20 liters.	BB	
Food Strainer & Scraper	1	8oz	BB	
Toilet Paper		Please refrain from bringing personal toilet paper—it could be considered smellable and may not be biodegradable.	C	

**NOTE:** OATC Leadership strongly recommends leaving your cellular device in a secure locker at base camp. You may very well need that phone to get home safely and the Philmont backcountry has a way of destroying technology. If you do choose to bring your cellular device on trail it will only be allowed for taking photos and you will be entirely responsible for it.

