

# OCBSA HAT Basic Backpacking Training

## TENTS AND SHELTERS

1. Welcome / Introductions
2. Tent / Shelter + Protection & Insulation
  - a. Considerations:
    - i. How will tent be used – seasons, groups, space vs weight
    - ii. Youth or Adult
3. Tents and Shelters
  - i. Minimalist methods-tarp, hammock, bivy sack.
  - b. Tents
    - i. 2, 3 and 4 Season – focus on a good 3 season tent
    - ii. Designs - Free Standing vs. Non-Free Standing/single or double wall
    - iii. Features - Sealed Seams, vestibule size, pole config., door locations
    - iv. Foot Prints-manufactured vs. DIY (Tyvek)
    - v. Weight Considerations
      1. 1 person = 2.5 – 4 lbs
      2. 2 person = 5.0 to 7.0 pounds
  - c. Tent Care
    - i. Clean with diluted soap and cloth. Hang dry.
    - ii. Fold in different ways to avoid creating creases
    - iii. Seams/fly need to be re-sealed occasionally
    - iv. Storage/Storage bag

### **Glossary**

**Denier, e.g. 20D** - Denier measures the thickness of the fibers in the tent fabric. It's a unit of density based on the length and weight of a yarn or fiber. A single strand of silk is considered 1 denier. The fibers in a 40-denier nylon fabric have almost 1.5 times the diameter of fibers in a 20-denier or "20D" nylon fabric.

**Dyneema** - an ultra-high-molecular-weight polyethylene superlight fiber that by weight is up to 15 times stronger than steel and does not absorb moisture.

**1200mm waterproofing** - A fabric's waterproof rating, measured in millimeters (mmH<sub>2</sub>O), refers to the pressure at which water is able to press through fabric. For example, a 1500 mmH<sub>2</sub>O rating means the fabric can sustain 1,500 mm of water on top of the fabric before it can leak. The measurement can then be converted into pounds per square inch (a 1,500 mmH<sub>2</sub>O rating would translate into 2.18 psi).

### **Helpful links for information**

<https://www.rei.com/learn/c/camping>

<http://www.sierratradingpost.com/lp2/buying-guides/>

<https://www.hikerdirect.com/>



**Kelty Gunnison 1**

**\$170 - 4 lbs., 13 oz.**



**REI Quarter Dome 1**

**\$299 - 2 lbs., 14 oz.**

**Big Agnes Scout 2**

**\$ - 1 lbs., 5 oz.**



**Big Agnes Fly Creek HV 1 Carbon**

**\$800 - 1 lbs., 5 oz.**



**ALPS Mountaineering Chaos 2**

**\$200 - 5 lbs., 0 oz.**



**Six Moons Lunar Solo**

**\$250 - 1 lbs., 10 oz.**