

#### Course outline

- Hiking vs. backpacking. Why?
- Making a hike or backing trek happen
- Crew concept
- Gearing up
- Additional resources

#### Hiking? Backpacking? What's the difference?

- "All backpacking involves hiking, but not all hiking involves backpacking."
- · For our purposes, we will define:
  - Hiking = taking a long, usually strenuous, walk for fun or pleasure.
  - Backpacking = the recreational act of carrying all of your necessary belongings on your back, usually for multiple days, hiking during the day and camping at night.
- Both can be equally challenging (distance vs. terrain vs. time)

#### Why Go Hiking and Backpacking?

- A key part of the Scouting program (i.e. the "outing in Scouting")
  - Advancement (Tenderfoot, 2<sup>nd</sup> Class, Venturing Ranger Award, Backpacking/ Camping/Cooking/Hiking MBs, National Outdoor Awards (Hiking, Adventure), 50 Miler)
  - Challenge (physical/mental/emotional) → skill development, leadership development → personal growth!
- Supporting goals
  - Fun
  - Appreciation of the outdoors
  - Fitness ("I will keep myself physically strong...")
  - Teamwork
  - · Develop the youth's ability to plan successful trips
- \*\*\* Older Scout retention \*\*\*

### How to make it happen...

- · Two key guides cover broadly the same material
  - Passport to High Adventure, geared to ... wait for it ... HA.
    - Enables older Scouts and Venturers, with guidance from their adult leaders, to plan and safely carry out unit high adventure treks using Leave No Trace techniques.
  - TAP is an online tool geared toward a broader continuum of adventure.
    - · A tool to guide unit leaders (Cubs, Scouts, Venturers & Sea Scouts) through all stages of adventure planning.

## Passport to High Adventure

- https://filestore.scouting.org/filestore/pdf/Passport\_to\_Hig hAdventure\_34245(16).pdf
- · Older, published 2011. Out of print (PDF available).
- · Still quite relevant. Goes more in-depth on topics.
- Ten chapters
  - 1. Who Will Go?
  - 2. Trip Planning
  - 3. Travel, Budget and Insurance
  - 4. Promotion and Preparation
  - 5. Equipment

- 6. Skills Practice
- 7. Trail Procedures
- 8. Trek Safety
- 9. Leave No Trace
- 10. Wrapping Up Your Adventure

#### The Adventure Plan

- https://tap.scouting.org/
- Newer. Since online, lends itself more readily to updates. Not quite as in-depth on topics but makes up for that with numerous links out to supporting policies & documents.
- Four phases, 52 steps
  - Adventure selection, steps 1-16
  - Preparation, steps 17-45
  - The Adventure, steps 46-48
  - After the Adventure, steps 49-52

# Things to Highlight

- Not going to go through the steps in detail. Please review these two resources yourselves.
- However, I will cover some key points within to the end-to-end process to realize a hike or backpacking trek.

## Who will go?

- Participant qualifications
  - Balance crew experience and skills with location and activity
    - Experience age, rank
    - · Skills rank, MBs, certifications, experience.
      - \*\*\*Consider 1st Class a minimum for advanced treks\*\*\*
  - Good health (physical, mental, emotional), no contrary medical conditions
- Crew organization
- Adult advisor
- Adult leadership
- YPT

#### Crew Concept

- · Crew size
  - Can range from 4-12 people; 5-8 is ideal
  - May be dictated by the backcountry management area's rules (ex. AT = 10 max for overnight, 25 for day hike. Groups larger than that must be divided, register and camp separately).
  - Multiple crews? Organize by skill level.



#### Crew Concept (cont)

- Relies on an understanding of the <u>Stages of Team</u> <u>Development (forming, storming, norming, performing)</u>
- The Crew Leader leads (a youth!)
  - Organizes the crew (may have an assistant)
  - Develops the duty roster
  - Seeks consensus from crew, but makes decisions
  - Setting Up the Crew Leader for Success
    - !!! Train the Crew Leader !!!
    - · Let him/her grow into the job
    - Important that both youth AND ADULTS recognize and acknowledge his/her role

#### Crew Advisor (aka adult "leader")

- Crew advisor should:
  - Arrange transportation, overnight stops & meals en route (older youth can make these with adult leader guidance)
  - Assist Scouts to earn their way through fund-raising efforts
  - Help ensure the safety and well-being of everyone in the crew
  - Address crew conflicts that may require discipline
  - Serve as counselor and coach; give appropriate guidance to crew leader and members.

#### Crew Advisor (cont)

- The Crew advisor (an adult) advises
  - With the crew leader, develops the training program for building backcountry skills and crew unity
  - Daily "one-on-one" with crew leader on the trail
  - Goal of only stepping in when there is a health or safety issue or "catastrophic" mistake is about to happen (one that does not offer a value-added learning opportunity and will negatively affect the crew or conduct of the trek) that is to say, LETTING THE YOUTH LEARN AND LEAD.
  - Learning to appropriately keep your mouth shut and sit on your hands is the most difficult skill for adults. Patience is a necessary attribute.
  - Recognize there can be more than one right way.
  - Perfect vs. good enough.

# Travel, Budget & Insurance

- Group travel
  - Cars/vans, trucks/trailers/campers, buses, planes, trains
- Overnight stops along the way
  - Council camps, parks, churches, military bases
- Permits
- · Ambassadors of Goodwill
  - Uniform, buddy system, communication, appreciation
- Budget
- · Insurance

# Promotion & preparation

- · Parents' Night or HA Parents' Rally
- Health exams and medical records
  - Height/weight guidelines
  - Immunizations
- Physical fitness (aka "getting in shape")
  - Build it into your crew's training (\*\*\* Consider practice hikes assessments of physical fitness for the big show \*\*\*)
- Mental & emotional fitness
  - Perseverance, confidence, assertiveness, willing to learn from success/failure, conscientiousness, handling change/adversity
  - Like physical fitness, build into crew training -> Project COPE

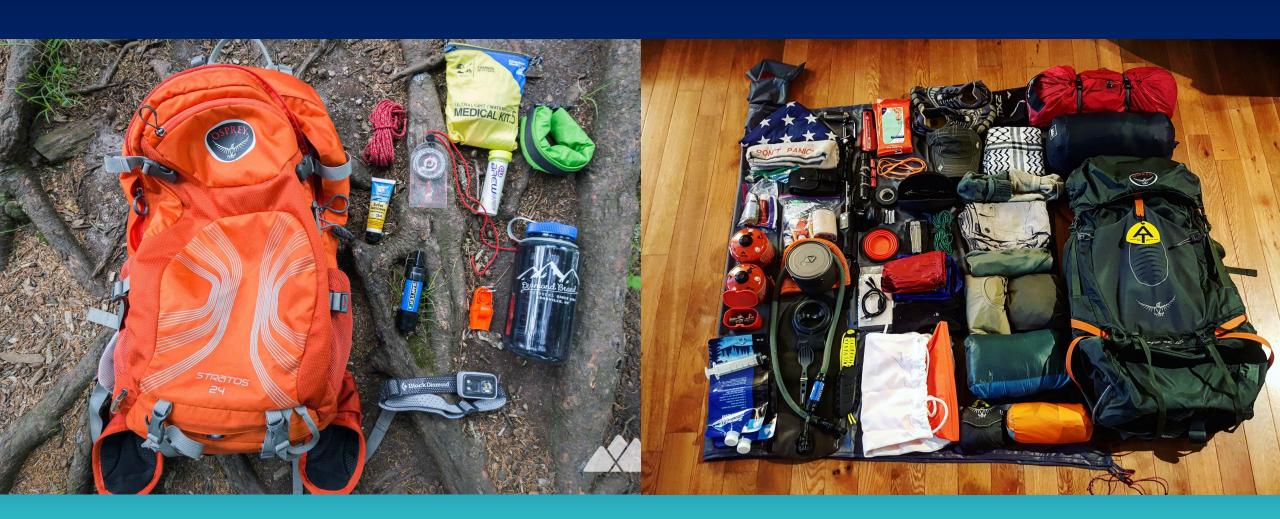
### Preparation (cont)

- Risk advisory
  - Understand and communicate explicit and implied risks
    - Modify activity if not appropriate (GSS & SA age-appropriate guidelines) or unwilling to assume the risk(s)
- · Chronic illness recommendations
  - Medical professional evaluate vs. planned activity for compatibility; decide whether to modify activity to accommodate
- Trek Safely SA training

# Equipment

- Gearing up
- · Individual equipment
- Packs
- · Crew equipment
  - Cooking gear
- Outdoor essentials
- Food
- First aid kit
- Navigation

# Hiking vs. backpacking



## Gearing up

- Knowledge & Training are the best "equipment"
  - The "science of personal equipment" ex. how we thermoregulate vs. performance properties of fabrics; environmental conditions vs. equipment material properties in those conditions
- Think M&M Multi-use & Minimize
- Go for quality (especially backpack, sleeping bag & boots)
  - Know when "good enough" is good enough (ex. free WaWa spork vs. Snow Peak titanium spork, Smart Water bottle vs. Nalgene)
  - Expensive, new doesn't guarantee. Cheap, used can be as good or better (Ex. REI Re-supply, Good Wolf Gear in Herndon).
- Keep it simple

# Individual equipment

- Personal clothing
  - OBJECTIVE: stay dry and comfortable
    - Loose fitting
    - Use layering system (wicking, warmth, wind)
    - · Mix/match to conditions; pack for most extreme expected
- · Rain gear = rain & wind layer; recommend suit vs. poncho
- Footwear
- Sleeping bag/pad
- · Hydration bottle vs. bladder
- Hiking poles



#### The Big Four of Equipment



- Backpacks
- · Sleeping "System"
- Footwear
- Clothing and Raingear

Roughly equal parts of your monetary budget

 Consider purchasing the backpack last. Sleeping bag/pad a big volume factor. Size backpack for volume and weight of the best gear/clothing you could afford to purchase.



# Backpacks

- · Internal vs. external frame
- Design features: panel vs. top loading, one vs. many compartments, hydration
- Sizing
  - Backpack: Carrying capacity (liters/cu. in., weight)
    - \*\*\* Crew 'owns' ~1/3 your pack for crew gear, food \*\*\*
  - You: Size (torso, waist)
- Adjustment
  - To adjust properly, backpack must first be sized properly for you. Most will fit a range.



#### Sleeping System

- Sleep System = Sleeping bag/quilt + bag liner + ground pad + ground cloth + clothing
- Bags & quilts
  - Shape ex. Mummy, semi-rectangular (bag)
  - Insulation synthetic vs. down, bias, baffling
  - Temp rating system vs. how you sleep
  - Features draft tubes/collars, shell/lining material, zippers, cut, pad attach system
- Pads
  - Length, design (closed cell, self-inflating, air), R-value



## Footwear - Your Propulsion System

- Boots, low hikers, trail runners
  - Hiking vs. backpacking
  - Waterproof? Some cons: Less ventilation, hotter, won't drain.
  - Select lightest shoe capable of handling trails, your load
    - Boots most ankle support; leather vs. synthetic; 6-8" high, sturdy soles; heaviest loads
    - · Low hikers lighter, less ankle support, lighter loads
    - Trail runners lightest, least ankle support, lightest loads
  - Socks & liners wool, synthetic
    - · Get shoes fitted wearing them & later in day (foot swells)

## Crew equipment

- Shelter tarps & tents (shared)
- Cooking gear
  - Stoves & fuel
  - Pots
  - Utensils (ex. large spoon, hot-pot tongs)
  - Individual bowls/utensils (use all same nest, takes up less space in packs)
- Water treatment
- Divide up equally (including adults)

#### Food

- Nutritional value
- Caloric needs
- Dietary restrictions
- · How much?
  - Trip length, ability to resupply.
  - Plan menus/quantities. You don't want to carry/prepare more than you'll need. Leftovers = wet trash, attracts wildlife
- Forms
  - Dehydrated, freeze-dried, dry, convenience, retort (ex. MRE), fresh

#### First aid kit

- Adult leader(s)/older youth(s) should have first aid/CPR training
  - WFA required for National HABs
  - If you are going >1 hour from definitive medical care on a unit hike or backpack, strongly recommend WFA
- Crew kit
  - Basic contents; tailor for each outing
  - If you don't know how to use it, it shouldn't be in there.
- Individual kits
  - Take care of self (minor cuts, scrapes, blisters, foot care)
  - Personal meds

# Navigation

- Maps & compasses
  - Consider as crew gear. Scout essentials aside, not necessary for each person to carry a compass. Crew decide.
  - Recommend two one for youth, one for adults
- · GPS
  - Can be unreliable loss of signal, batteries die
  - Recommend only using if "lost" on the map to locate crew or ICO of emergency
  - Know how to use before you need to rely upon it
  - Can provide post-trip stats & record for posterity
- TCP Time control plan
  - Done before the hike, helps estimate travel time given terrain and distance. Promotes terrain awareness. Knowing this time is important for crew planning and the trip plan left behind.

# Skills practice (aka Shakedown)

- · TRAINING for the big event!!!
  - Hikes as training for backpacking
- Builds crew spirit/cohesion
- Loading a pack
- · Backpacking technique
- Hiking tips
  - ALWAYS KEEP THE CREW TOGETHER
  - No faster than slowest member; spacing, pace, rest stops.
  - Foot problems? Stop and address early.
- · Helps you identify needed or unnecessary equipment



# Trail procedures

- · Assigning duties: navigator, smoother-upper, hiker, leader, sweep
- · Duty roster tasks: Stove, water, cooking, cleanup, navigation
- Positive crew dynamics
  - Discuss goals/expectations beforehand, designated crew leader, members select own tent mates, tolerance/sensitivity, chores cooperation, enough food, no horseplay, counseling sandwich
- Staying healthy
  - Conserving body energy, <u>foot care</u>, personal hygiene, clothes washing, drinking water treatment, dishwashing, waste disposal

# Trek safely

- Expect the unexpected ("Nobody expects the Spanish Inquisition! Our chief weapon is surprise...")
- Dangerous weather high winds, lightning, heavy rain/flooding, extreme temps/humidity
- · What to do when lost Stay, Think, Observe, Plan
- Avoiding accidents No horseplay
- · Safety around plants/animals snakes, bears, mini-bears
- When to stop and turn back: Dangerous WX, difficult terrain/conditions, fatigue, darkness, insufficient time, inadequate food/water, low morale (no Bataan death marches!)

# Wrapping up your adventure

- Keep a journal
  - Great way to remember your trek
  - Allows you to record things while fresh in your mind
  - Good way to relax at end of the day and get ready for a good night's rest dump your mind onto the page
- · When you get home
  - Unpack everything; clean & stow gear; write thank yous
- Evaluating your trek: What went well? What could be improved? What will we do differently next time? Skills to improve/acquire? Gear needed/not used? Where to next?

#### Additional Resources

- Fieldbook
- Backpacking & Hiking MB booklets
- · NCAC HAC
- HAC guidebooks (Vol. I National/council HA, Vol. II NCAC region prep hikes)
- Training
  - Backcountry Outdoor Leader Skills (BCOLS), University of Scouting, other courses/sources

#### OK, So Where Can We Go?

- Some local options
  - Hike-O-Ree Trails!
  - Appalachian Trail
    - · Ironmaster YH
    - The Roller Coaster
  - Shenandoah NP
  - George Washington & Jefferson NF
  - Massanutten Mountain VA
    - Signal Knob
  - Wolf Gap VA/WVA
  - Dolly Sods WVA

