



2024 National Order of the Arrow Conference

Session: Arrowman Conservation School Level 1

Lead Trainer Name: Brad Ellis

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Session Length: 6 hours

Session Description

This training covers trail tools, basics of trail design and planning, basics of the Incident Command System, intro to outdoor ethics, intro to sustainability, basics of materials, and basics of trail construction and maintenance projects.

Learning Outcomes

Outcome 1: Learn the basics of how to carry out quality conservation projects from experienced trainers.

Outcome 2: Gain insight on key aspects of running a major conservation project, including the incident command system, the importance of outdoor ethics, and how to build sustainably.

Outcome 3: Learn about how we as scouts can minimize our impact in the outdoors by contributing to maintaining the areas where we spend time.

Theme Connection: Seek New Heights

If you want to Seek New Heights, you need a high-quality trail to travel on. Arrowman Conservation School will teach you the importance of good conservation work along with how we can sustainably live up to our dedication to outdoor ethics.

Facility and Material Needs

[Please put all material and facility needs in this section. We recommend completing this portion last after the rest of the lesson plan is completed. **The more specific you are with your material and facility requests, the better we can accommodate!**]

Facility Needs

- Is this session remote delegate-compatible?* (ie. can the material be engagingly taught via live stream) Yes - but they will not be able to complete the program due to the conservation project piece.
- Does this session need audio/video (AV) capabilities?* (ie. projector) Yes
- Are there any other specific facility needs for this session?* (ie. movable chairs, panel-style seating, etc.) No

Material Needs

Material	Quantity	Source
Projector w/ AV hook up	2	NOAC Training Committee
Microphones with Speakers	1	NOAC Training Committee

Session Preparation Steps

Step 1: Be well versed in key materials that support this course, including books like *Lightly on the Land* by Robert Birkby, and training like *Leave No Trace Level 2 Trainer*.

Step 2: Take part in major conservation projects at the council level or higher. OA High Adventure staff is an excellent way to get first-hand experience

Step 3: Complete Level 1 and Level 2 of Arrowman Conservation School.

Additional Staff Members

[If you are having additional trainers assist you with your session, please fill out their contact information below. Please note that due to the conference sell-out, we are limited in our ability to register additional staff members on the training committee. We recommend that your additional trainers come from contingents or other staff members that can break from their duties to facilitate the session.]

Trainer Name	Email	Phone #
Luke Williams	lukewilliamst46@gmail.com	
Josh Hipps	joshua.hipps@gmail.com	
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Lauren Berger Taylor	lauren.berger.taylor@gmail.com	
Scott Anderson	scottanderson@att.net	

Lesson Plan

Helpful Templates:

Activity

Copy and paste this box wherever you have an activity in this session!

Materials Needed: [materials]
Length of Activity: # [min]
Activity Description: [description]

Trainer Action

If at any point the trainer needs to complete an action (play a video clip, prompt questions, etc.) copy paste this box and edit this text to specify what!

Introduction

15 minutes

Slides 1 - 11

- **Introduction of Program**
- **Introduction of Staff**
- **Program Overview**

Topic 1 – Outdoor Ethics

15 minutes

Slides 12 - 20

- **Overview of Outdoor Ethics**
- **Introduce Programs and Positions**
- **Promote National Conference**

Topic 2 – Intro to Sustainability

15 minutes

Slides 21 - 25

- **History of Sustainability and the OA**
- **Overall View of Sustainability**
- **SDGs**

Topic 3 – Intro to Trail Building

15 minutes

Slides 26 - 37

- **Conservation**
- **Preservation**
- **Recreation**

Topic 4 – Trail Tools and PPE

50 minutes

Slides 38 - 77

- **Maintain your tools**
- **Use them safely**
- **Store them properly**
- **Transport/carry them safely**

Topic 5 – Planning Process and ICS

40 minutes

Slides 78 - 134

- **Learn What ICS is**
- **Main Jobs**
- **What does it mean to us**

Topic 6 – Being an Effective Crew Leader

20 minutes

Slides 135 - 136

- **Safety**
- **Moral**

- **Tools & Material Management**
- **Technical Knowledge**

Topic 7 – Career Opportunities

15 minutes

Slides 137 - 138

- **Highlight Backpacker Magazine Article**

Topic 8 – Volunteer Opportunities

10 minutes

Slides 139

- **American Hiking Society**

Topic 9 – SDGs and WOSM

15 minutes

Slides 141- 192

- **SDGs**
- **Clean Waterways**
- **EarthTribe**

Topic 10 – Scouting Conservation Awards

5 minutes

Slides 193-199

- **Conservation Awards**
- **Outdoor Ethics Awards**

5 minutes

Topic 11 – National Outdoor Ethics Conference

Slides 200

- **Date, Location, Price**

****** From here the course splits into 3 different tracks, depending on the choice of the participant.******

Conservation Track

Topic 1 – Trail Building

50 minutes

Slides 201-251

- **Basic Trail Concepts**
- **Soils and Materials**

Topic 2 – Trail Feature Construction

120 minutes

Slides 1 - 137

- **Basic Trail Concepts**
- **Soils and Materials**

Outdoor Ethics Track

120 minutes

Topic 1 – Outdoor Ethics, Conservation, and Order of the Arrow

Slides 1 - 54

- **Outdoor Impacts**
- **What is Outdoor Ethics**
- **What we can do and recognition**

Sustainability Track

Topic 1 – Permaculture and Food Forests

Slides 1 - 18

- **What are Food Forests**
- **How to Implement Them**

Topic 2 – Conservation Projects

Slides 19 - 50

- **Invasive Species**
- **Types of Projects and Resources**

Topic 3 – Planning Process

Slides 51 - 64

- **How to Plan**
- **Utilizing the ICS structure**

Appendix: Resources and Source Material

Resource	Link
Order of the Arrow, Mission & Purpose	Available online at: https://oa-bsa.org/about/mission-purpose
Lightly on the Land	https://www.mountaineers.org/books/books/lightly-on-the-land-and-the-sca-trail-building-and-maintenance-manual-2nd-edition
Introduction to ICS	https://training.fema.gov/is/courseoverview.aspx?code=is-100.c&lang=en
Backpacker Article	https://www.backpacker.com/stories/shortage-trail-builders-these-programs-can-help/
SDGs	https://sdgs.scout.org/
Conservation Awards	https://www.scouting.org/outdoor-programs/conservation-and-environment/conservation-awards-and-recognitions/

Arrowman Conservation School Level 1 | Training Syllabus

National OE&C Conference	https://www.scouting.org/outdoor-programs/oec-conference/
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