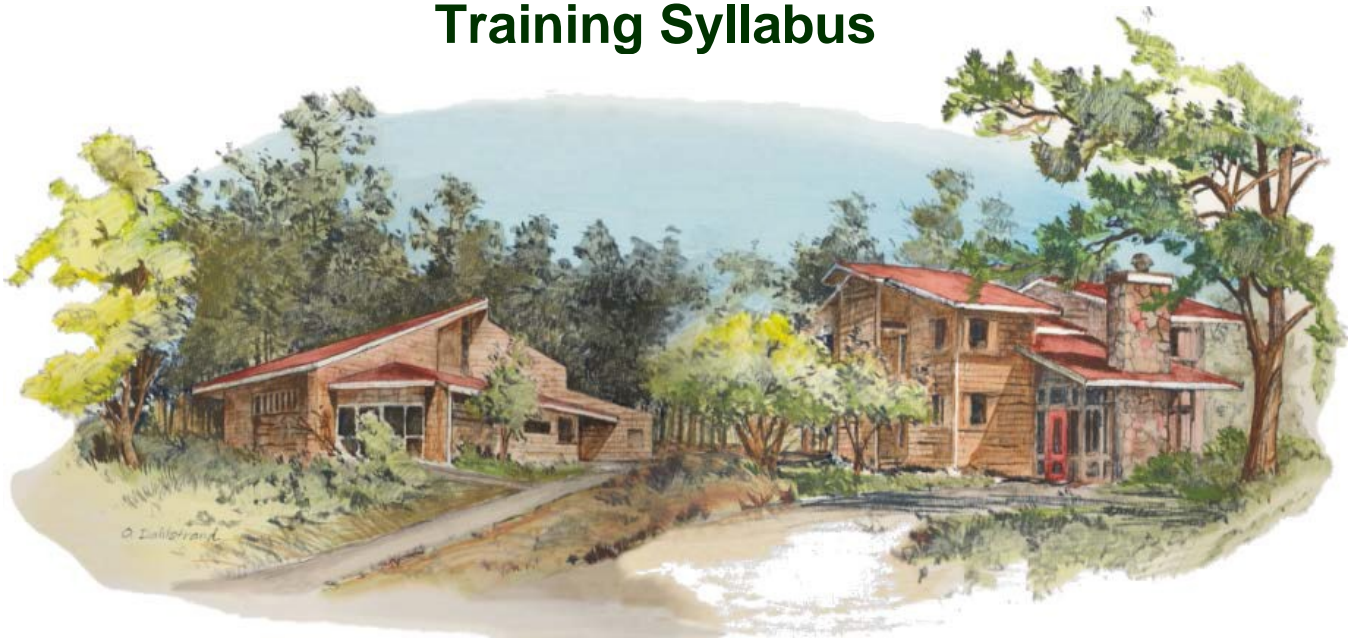


ADVANCED TRAILS PROGRAM CLIMBING & RIGGING

April 1-5, 2019

Training Syllabus



William Penn Mott Jr. Training Center



Memorandum

Date: March 21, 2019

To: Supervisor

From: Debbie L. Fredricks, Chief
Training Section
California State Parks

Subject: Employee Attendance at Formal Training
Advanced Trails – Climbing and Rigging Group 6

An employee from your office will soon be attending the formal training program described in the attachment. Please ensure that the employee is fully prepared to attend the session and that the groundwork is laid for the employee's implementation of the training upon returning to work. You can assist with capturing the full value of the training by taking the following steps:

Prior to Training

1. Make sure that **specific** employee needs are identified and, if necessary, called immediately to the attention of the Training Specialist.
2. Review with the employee the reason for the employee's attendance.
3. Review objectives and agenda with the employee.
4. Discuss objectives and performance expected after the training.

Immediately Following Attendance

1. Discuss what was learned and intended uses of the training.
2. Review the employee's assessment of the training program for its impact at the workplace.
3. Support the employee's use of the training at the work place.

Three Months Following Training

1. Supervisor evaluates the effectiveness of the training on the employee's job performance and meets with employee to discuss the evaluation.

Thank you for your assistance in seeing that the full benefit of training is realized.



Debbie L. Fredericks
Training Section Chief

Attachment
cc: Participant

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***Mission Statement
Training Section***

***The mission of the Training Section is to provide
knowledge, empowerment, and inspiration through
collaboration, consulting, and the delivery of
exceptional training programs.***

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Pamela Yaeger..... Assistant Program Coordinator

THE MISSION

of the California Department of Parks and Recreation is to provide for the health, inspiration and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high quality outdoor recreation.



FORMAL TRAINING GUIDELINES

Since 1969, our Department has been providing a continuously changing number of diverse training programs at its main training facility, the William Penn Mott Jr. Training Center, and other locations including Marconi Conference Center. The Department strives to enhance your learning and job performance with formal training of the highest quality.

Our Department's dedication to training is only one aspect of its commitment to you and to the public. This commitment is costly and represents an important investment in you and your career. You and the Department realize a return on that investment by your positive participation in formal training itself and post training follow-through.

The program you will be participating in is described in this training syllabus, which outlines what you can expect from this training and what is expected of you. This syllabus details what you should do before you leave for training; what to do when you arrive; what you will be doing while in training; and, importantly, what you should be able to do when you return to your work site. Specifically:

1. **SYLLABUS:** Your copy of this syllabus is an important part of your training experience and should be brought with you to training. Read it before you arrive and review it following the program along with material you received at training.
2. **PRE-TRAINING ASSIGNMENTS:** Your completion of pre-training assignments is essential to the success of your training. You are responsible for all reading assignments in preparation for classroom sessions. Time will be provided during working hours to accomplish any assignments which involve either individual or group efforts and resources. (Pre-training assignments are listed in the "Program Attendance Checklist" section.)
3. **TRAVEL:** Arrange your travel to and from Brookdale, CA (Santa Cruz Mountains) through your District or Office. (No reimbursement for travel expense - including per diem costs - will be approved for travel not specifically authorized in advance by the District Superintendent.) Individuals are entitled to claim the Incidental Allowance as outlined in DAM 0410.5. There will be a vanpool to take you from the Brookdale Lodge to the training sites.

4. **HOUSING:** Housing will be assigned to you on a shared-room basis and will be available from 3:00 p.m. on the date of arrival to 12:00 noon on the date of departure. Housing will be provided for DPR PARTICIPANTS from outside the Santa Cruz area at the Brookdale Lodge, 11570 Highway 9, Brookdale, CA 95007, (831) 609-6010, no per diem allowance will be authorized for other arrangements. Rooms have already been reserved for you, please do not call the Brookdale Lodge for anything other than general information. Please advise Jeff Beach no later than one week before your scheduled arrival if you plan to make other arrangements at your own expense. No animals are permitted in housing. In the event of an emergency, staff must know your room assignment, therefore, you may not switch rooms without staff approval. Overnight guests are not allowed. Quiet hours are 10:00 p.m. to 8:00 a.m.

OUTSIDE AGENCY PARTICIPANTS: We have reserved a room at the Brookdale Lodge in your name at the State rate of \$90.00 plus tax per night, and a DPR van will provide transportations to and from the Brookdale Lodge to the training locations. You or your agency will be required to confirm your reservation, and pay for your lodging, please do so ASAP by calling the Brookdale Lodge at (831) 609-6010. For logistic purposes, please consider this as your best choice for lodging, if you are coming from outside the area.

Please Note: You may be asked to present a valid credit or debit card while checking in to your room. Many motels require a credit card to cover charges incurred such as telephone calls, damages to rooms and/or furnishings, fees to clean rooms that have been smoked in that are not designed as smoking rooms, etc. Please be prepared to handle this appropriately.

5. **ENROLLMENT OR HOUSING CANCELLATION POLICY:** For DPR participants to cancel participation in a course, the participant must have their District Superintendent or Section/Office Manager send an email to the Training Specialist assigned to the course requesting to remove the participant. If you do not need lodging or must change or cancel your reservation for lodging, you must contact the Mott Training Center or Training Specialist assigned to the course at least 72 hours prior to your date of arrival. Lodging, requisition and associated fees will be charged to the employee's District or Section/Office if a training cancellation is received with less than 72 hours notice.

For outside agency participants to cancel without cost, you must cancel more than two weeks before the check in date for the class. Otherwise you will be invoiced one half (\$500) the class tuition as a cancellation fee.

The Mott Training Center is committed to ensuring that the reservation that has been made for you is accurate and needed.

6. **MEALS:** Participants will be required to provide for their own meals. DPR participants can file a travel expense claim provided their reporting location is 50 miles or more Brookdale, CA.

OUTSIDE AGENCY participants must work out meal expenses with their agency. All participants must bring a sack lunch Monday through Thursday.

NOTE: Your travel and incidentals are to be charged to your district.

7. **CLOTHING:** Uniforms are not required for this program. Special clothing requirements for your program are described in "Training Attendance Requirements" section. Your informal sportswear should be appropriate during off-duty hours. **SAFETY/COMFORT REMINDER:** Bring sun screen, extra water bottles, breathable clothing, layered clothing (the mornings may be cool up on the mountain). In addition to your hard hat, you may want to bring a hat to shade your head in areas where a hard hat is not required.
8. **REGISTRATION:** When you arrive at the Brookdale Lodge, Brookdale, CA go to the registration desk for check-in and your room assignment.
9. **COURSE LEADERS:** The formal training you will attend is developed, and for the most part, conducted by experienced State Park employees in field and staff positions. Some courses will be conducted by qualified instructors from other agencies and educational institutions. Your course leaders have proven their ability and knowledge in their profession, and provide a level of expertise difficult to match.
10. **TRAINING CENTER STAFF:** A Training Center staff member has been assigned responsibility for your training group as well as for your training program. That staff member usually serves as a Course Leader as well as a Coordinator. During the program, you may be asked to assist Training Center staff in the logistics of your training program (organizing field trip transportation, supervising classroom breaks, etc.). Center staff will do all within their power to make your training experience pleasant and meaningful.
11. **TRAINING MATERIALS:** The Department of Parks and Recreation Trails Handbook will be used during this program; please bring your copy with you. No additional copies will be available during the program.
12. **TRAINING LOCATIONS:** Training will be conducted at Big Basin Redwoods State Park. Classroom sessions will be held at the Big Basin Lodge, 21600 Big Basin Way, Boulder Creek, CA 95006. Field training will be held at locations within the park.
13. **CELL PHONES:** As a courtesy to your fellow participants and course leaders, ensure that, your cell phone is turned off during classes. Participants should not be receiving or making cell phone calls during class time. Please limit those calls to your breaks. Also note – due to remote, rural location most cell phones only work marginally, if at all in this area. Be prepared with calling cards or alternate means to make telephone calls.

PROGRAM ATTENDANCE CHECKLIST

To assist you in your preparation for formal training the following list is provided:

- 1. Read and understand the Advanced Trails Climbing and Rigging Syllabus prior to your arrival for training.
- 2. Remember to bring the following with you to training:
 - P.P.E. - safety equipment (eye, ear, hand protection and a hard hat) gloves, safety glasses and hard hats. **YOU WILL NOT BE ALLOWED TO PARTICIPATE IN FIELD EXERCISES WITH OUT A HARD HAT.**
 - Poison oak protection and sunscreen.
 - Program syllabus and your Trail Handbook from previous trainings.
 - Appropriate work clothing, rain gear, and hiking boots.
 - Daypack, clinometer and water bottle/canteen, clock, pens, and pencils.

NOTE: If you are, unable to locate or bring these items contact Jeff Beach ASAP before the class and we will attempt to find gear to loan you during the class. Jeff Beach may be reached by telephone at (831) 901-5864 or via e-mail at Jeffrey.Beach@parks.ca.gov.

Warning – Poison oak, which many people find highly irritating to the skin, is prevalent in this area. Persons who may have sensitivities are advised to take care to not come in contact with this plant while hiking and working, and should take any other preventative measures as may be appropriate.

POST-TRAINING ASSIGNMENT

Prior to ninety days after the completion of this program, the employee and his/her supervisor should discuss the impact and assess the effectiveness this program has had on the employee.

The post-training evaluation process is intended to provide a bridge between classroom instruction and the on-the-job application of training. The information obtained through this process will assist the employee, supervisor, and Training Section in providing a return on the training investment to the Department.

ADVANCED TRAILS PROGRAM-CLIMBING AND RIGGING GROUP 6 – A G E N D A
March 31- April 5, 2019

This program will be conducted at Big Basin Redwoods State Park. The classroom sessions will be held at the Big Basin Lodge, 21600 Big Basin Way, Boulder Creek, CA 95006. Field sessions will be held at Big Basin Redwoods State Park. Vans will transport you to and from the Brookdale Lodge for classroom and field sessions and will leave the Brookdale Lodge promptly at 0800 daily and return by 1730 on the field day.

Sunday
March 31

1500- Hotel check in at Brookdale Lodge

Monday
April 1

0800-0830	Introductions/Expectations and Overview	Turner
0830-1000	Rigging Mechanics and Math	Allsop
1000-1200	Knot Tying, Cutting Wire Rope, Flemish Eyes	All
1200-1230	Lunch	All
1230-1345	Rigging Applications	Knapp
1345-1545	Rigging Tool Identification and Use	Sylvia/Cline-James
1545-1700	Rigging Safety	Allsop

Tuesday
April 2

0800-0900	Tree Ladder Climbing Demonstration	Pereira/Young
0900-1200	Tree Ladder Climbing Labs (6 Groups)	All
1200-1230	Lunch	All
1230-1700	Mechanical Advantage (5 Groups)	All
1700-1730	Commute Back to Hotel	All

Wednesday
April 3

0800-1300	Morning Rotating Labs (3) – 5 Hours Each	All
	Group 1 Double High Leads	
	Group 2 Tripods with Taught Lines and Anchors	
	Group 3 Skylines	
1300-1330	Lunch	
1330-1700	Afternoon Rotating Labs (3) – continued	All
	Group 1 Sky Lines	
	Group 2 Double High Leads	
	Group 3 Tripods with Taught Lines and Anchors	
1700-1730	Commute Back to Hotel	All

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Thursday

April 4

0800-0930	Morning Rotating Labs (3) – continued Group 1 Sky Lines Group 2 Double High Leads Group 3 Tripods with Taught Lines and Anchors	All
0930-1200	Morning Rotating Labs (3) – 5 Hours Each Group 1 Tripods with Taught Lines and Anchors Group 2 Double High Leads Group 3 Sky Lines	All
1200-1230	Lunch	
1230-1530	Afternoon Rotating Labs (3) – continued Group 1 Tripods with Taught Lines and Anchors Group 2 Double High Leads Group 3 Sky Lines	All
1700-1730	Commute Back to Hotel	All

Friday

April 5

0800-1100	Griphoist Repair and Maintenance	Young
1100-1130	Class Review	All
1130-1200	Class Evaluations and Departures	All

PROGRAM: ADVANCED TRAILS PROGRAM: CLIMBING AND RIGGING

PROGRAM OUTLINE

<u>PROGRAM ORIENTATION</u>	1
<u>RIGGING LECTURE</u>	7
Rigging Applications in Trail Projects	
Rigging Tool and Equipment Identification/Uses	
Rigging Applications and Theory	
Rigging Demonstrations	
Rigging Safety	
Knot Tying	
<u>TREE CLIMBING LAB</u>	8
Tree Climbing Ladders	
Grip hoist Applications, Mechanized Winch Applications	
<u>RIGGING LAB</u>	18
Rigging Sets, Rigging Design and Estimating, Skyline and Haulback Lines, Highleads and Directionals, Tripods, and Taught Lines	
<u>CLASS REVIEW</u>	1.5
<u>PROGRAM EVALUATIONS</u>	<u>.5</u>
<u>TOTAL HOURS</u>	36

ADVANCED TRAILS PROGRAM: CLIMBING AND RIGGING

PROGRAM ORIENTATION AND REGISTRATION

Purpose: Participants and trainers will become acquainted with each other and the Program Coordinator. The group will be given information on the logistics of the week's training program at Big Basin Redwoods State Park.

Performance Objectives: By the close of the session the participants will

1. Review program content, procedure, and evaluation processes.
2. Share and record expectations with group members.

RIGGING APPLICATIONS, EQUIPMENT, THEORY AND SAFETY

Purpose: Provide participants with an understanding of the uses of climbing and rigging techniques in trail construction and maintenance projects.

Performance Objectives: By the close of the session the participants will

1. Demonstrates knowledge of the variety of rigging techniques and applications that can be used to help them perform their trail work.
2. Identify and know the specific uses for a wide variety of climbing and rigging tools and equipment.
3. Recognize the basic mechanical theories related to rigging and the range of applications that can be used in rigging sets.
4. Describe the safety issues related to rigging operations and the precautions necessary to insure a safe work site.
5. Tie a number of basic knots used in tree climbing and rigging.
6. Perform routine repairs and maintenance on griphoist.

TREE CLIMBING LAB

Purpose: To develop the necessary skills to climb trees for the purpose of installing rigging sets.

Performance Objectives: By the close of the session the participant will

1. Identify tree climbing equipment, its use, and what equipment is the most appropriate for their skills and their project.
2. Climb trees using tree climbing ladders.
3. Explain the role of the ground support crew in assisting the climber.
4. Demonstrate techniques that assist climbers in hanging rigging in trees.
5. Review the safety issues related to tree climbing and the necessary precautions.

RIGGING LAB

Purpose: Develop the knowledge and skill necessary to design and install a variety of rigging sets.

Performance Objectives: By the close of the session the participants will

1. Practice installing rigging sets such as skylines, haulback lines, high leads, tripods and direct pulls.
2. Apply the use of mechanical advantage to safely maximize the capacity of their equipment.
3. Employ winches to perform rigging projects including grip hoist, and capstan winches.
4. Practice using rigging to move and install large rocks, logs or bridge stringers with minimal resource impacts.
5. Restate the safety risk associated with rigging projects and the necessary precautions.

Location Maps

