

















established 1889



























































Shasta Forestry Challenge September 24 to September 27, 2025 **Mountain Meadows Camp**

2025 SHASTA FORESTRY CHALLENGE SCHEDULE OF EVENTS

Wednesday, September 24, 2025

4:00 to 5:30	Registration and Housing Assignments
5:30 to 6:30	Dinner
6:45 to 8:15	Welcome and Focus Topic Question presented / Q&A
8:30 to 9:45	Evening Activities
10:00	Report to Cabins

Thursday, September 25, 2025

8:00 to 8:45	Breakfast
8:45 to 9:00	Gather for Field Training
9:00 to 12:00	Field Training
12:00 to 1:00	Lunch
1:00 to 1:15	Gather for Data Collection
1:15 to 4:30	Data Collection
4:30 to 5:00	Return to camp
5:30 to 6:30	Dinner
7:00 to 10:30	Teams Prepare Presentations / Ask a Forester appointments
10:30	Report to Cabins

Friday, September 26, 2025

8:00 to 9:00	Breakfast
9:00 to 9:30	Gather for Field Testing or travel to HELO Field Trip
9:30 to 12:00	Field Testing or HELO Field Trip
12:00 to 1:00	Lunch
1:00 to 1:30	Gather for Field Testing or travel to HELO Field Trip
1:30 to 4:00	Field Testing or HELO Field Trip
4:00 to 5:30	Field Test Review, Pacing Conest, School and Group Photos
5:30 to 6:30	Dinner
6:30 to 9:30	Teams Finish Preparing Presentations
9:30 to 10:30	Evening Activities
10:30	Report to Cabins

Saturday, September 27, 2025

8:00 to 9:00	Breakfast and Cabin Cleaning
8:15 to 9:00	Judges Orientation
9:15 to 11:15	Teams Give Presentations
11:20 to 11:45	Judging Panel Feedback to Students
11:45 to noon	Awards
Noon	Lunch and Farewell

2025 Shasta Forestry Challenge Participants

School	County	Advisor(s)	Team #'s
Amador	Amador	Jeremiah Cloud	1
Anderson New Tech	Shasta	Brahms Lewis	2, 3
Anderson Union	Shasta	Steven Whitmore	4
Etna	Siskiyou	Kellie Hargett	5, 6
Foothill	Shasta	Brett Hodge	7, 8
Golden Eagle Charter	Siskiyou	Tiffany DeVault	9
Grant Union	Sacramento	Arron White	10, 11
Gridley	Butte	Robin Kropholler	12
Hayfork	Trinity	Noah Corp	13, 14
Inspire School of Arts and Science	Butte	Danielle Astengo	15
McCloud	Siskiyou	Pamela Price	17, 18
Middletown	Lake	Katelynn Ramos	19, 20
Mt. Shasta	Siskiyou	Donna Chapman	16
Nevada Union	Nevada	Katie Alling	21, 22
Ponderosa	El Dorado	Bret Harnden	29, 30, 31
Shasta	Shasta	Hillari Freeman	23, 24
Silicon Valley CTE	Santa Clara	Patricia Tapia	25, 26
Weed	Siskiyou	Rebekah Sluss	27, 28

Thank You to the 2025 Shasta Forestry Challenge Volunteers

Without volunteers, the Forestry Challenge simply wouldn't happen. Here are the individuals who gave their time and expertise for this event:

Abby Burghart	DaShayne Sewart	Kiernan Hagan
Adam Taylor	Dean Lofthus	Kobree Penney
Amanda Ma	Debbie Mayer	Len Lindstrand
Ashlyn Sneed	Francisco DeLaTorre-Allen	Lois Kauffman
Ashton Oilar	Frank Barron	Marian Christiansen
Betty Sutter	Greg Mayer	Regina Bell
Bridget Tracy	Hannah Jeffris	Russell Garrison
Camila Quintana	Jaskiran Bakshi	Shawn Wheelock
Carol Germano	<mark>Jeff Pudlicki</mark>	Steve Fitch
Carol Perea	Jim Chapin	Tim Livingston
Chris Ingersoll	John Kessler	Walt Ruzzo
-	Kerry Greene	

We would like to thank the following people who conducted the Shasta College Heavy Equipment and Logging Operations (HELO) Field Trip:



Jonas Lindblom - HELO lead instructor
Chris Hockenberry - HELO assistant instructor
Chad Stout industry representative
Melissa Markee - forestry instructor
Kim Giles - CTE coordinator

Housing Assignments

Cabin and Gender	Schools and adults in cahin	
MM 0 - Boys	Golden Eagle, Anderson Union, Middletown	13
MM 1 - Boys	Hayfork, Inspire, Weed, Gridley	12
MM 2 - Boys	Mt. Shasta, McCloud, Ponderosa	11
MM 3 - Boys	Shasta, Foothill, Amador, Silicon Valley CTE	12
MM 4 - Girls	Middletown	8
MM 5 - Girls	Gridley, Hayfork	8
MM 6 - Girls	Weed, Ponderosa	8
MM 7 - Girls	Inspire	7
MM 8 - Girls	Silicon Valley CTE	8
MM 9 - Girls	Golden Eagle, Foothill, Anderson Union	7
MM 10 - Girls	Shasta, Mt. Shasta	10
MM 14 - Girls	McCloud, Amador	8
MC 1/2	Anderson New Tech	10
MC 3/4 Boys	Grant Union, Etna	11
MC 5/6 - Boys	Nevada Union	9
MC 7/8 - Girls	Etna	7
MC 9/10 - Girls	Nevada Union, Grant	11

The Forestry Challenge Staff is staying at Mountain Meadows in the staff building. In case of an emergency at night, enter the staff building, knock on the right door nearest the dining hall, and Diane will be there to assist you. Shaelah Wiens is our nighttime emergency care provider. You may also try calling Diane at 530-417-1960.

If you are staying at Camp McCumber, volunteer Greg Mayer will be staying in the Nurse's cabin and can assist you.





The Cal Poly Humboldt Logging Sports Team will join us on Friday for a demonstration at the HELO site and will give Forestry Challenge participants a chance to test their skills back at camp on Friday after testing.

2025 Forestry Challenge Rules

I. Participant Eligibility

- 1. Students enrolled in grades 9 through 12 are eligible to participate. Community college and middle school students may participate if the facility can accommodate them, at the discretion of the Forestry Challenge (FC) Coordinator.
- 2. Teams will consist of two to five students from the same school, homeschool, or scouting group, tribe, club, or affiliated organization (subsequently referred to as "school"). More than one team may enter from each school as space permits. There may be a need to restrict the number of students per school, depending on the facility's capacity.
- 3. An adult chaperone must accompany each school. The chaperone can be a teacher, staff member, or approved parent from that school. One chaperone can supervise more than one team from the same school, as housing arrangements permit. All chaperones must be fingerprinted and approved to chaperone by their local school district.
- 4. For schools bringing only one adult, an additional adult of the opposite gender must be available on standby to ensure proper overnight supervision. Schools will be notified the day after the registration deadline if additional adults are required to ensure correct ratios.
- 5. Each participant must arrive with all applicable Liability, Medical, and Media Release Forms fully signed in order to participate. These forms must be turned in at registration or received prior to the event.
- 6. Only registered participants with signed forms will be allowed on site.
- 7. Chaperones and students will check in together unless prior arrangements are made with the FC Coordinator.
- 8. At least one school chaperone must be on site with their students at all times to ensure that team members display proper conduct during the event and at the host facility.

II. Participant Behavior

- 1. Participants will report any illness or personal emergency to the Coordinator or designated staff.
- 2. If participants break or damage the property of the FC or the host site, they are responsible for reporting the damage and paying for its repair.
- 3. All students must attend and fully participate in all scheduled activities, in the designated locations for those activities.
- 4. Although chaperones must attend all activities to properly supervise students, they are not allowed to actively participate in field testing or focus topic presentation preparation.
- 5. Students must report to and stay in their assigned cabins or dormitories at the designated time at the end of each day. Facility housing will be described in advance, and if it does not meet the needs of one or more students, the advisor must ask for alternate arrangements in advance of the start of the event. If acceptable accommodations are available, there may be a charge for these alternative arrangements.
- 6. No students or chaperones are allowed to leave the host site without approval.
- 7. Tobacco, drugs, vaping, and alcohol are prohibited for all parties during the entirety of the event.

8. Participants are expected to behave in a professional manner, consistent with behavior appropriate to the workplace. Harassment, bullying, and any form of discrimination is NOT appropriate workplace behavior. Any observance or reporting of such actions will be thoroughly investigated and disciplined. Disciplinary actions can include disqualification and/or dismissal from the event.

III. Registration Fees and Deadlines

1. A completed online registration form and deposits must be submitted 12 days before the start of the event.

Registration form due dates are as follows:

- Shasta FC registration is due September 12
- Santa Cruz FC registration is due September 26
- El Dorado FC registration is due October 10
- San Bernardino FC Session 1 registration is due October 24
- San Bernardino FC Session 2 registration is due October 31
- 2. There is no registration fee for the 2024 event season. Instead, a \$250 per School refundable deposit will be required.
- 3. The deposit is due 12 days before the start of the event, either as a check postmarked as of that date or as a PayPal deposit. Checks should be made payable to *Forestry Educators Incorporated* and mailed to P.O. BOX 271, Shingle Springs, CA 95682. PayPal deposits are preferred and can be made to the holding account linked here.
 - Include the school name in the memo line.
 - Please make only one payment per school.
 - Contact FC Coordinator if parents are making deposits for individual students.
- 4. An online invoice generator is available here to teachers to assist with the payment process.
- 5. Deposits will be refunded in full with 75% attendance of registered students or greater. If attendance for the school drops below 75%, the entire deposit will be forfeited. A breakdown chart is available at the bottom of the page.
- 6. In the event a registered student drops out after the deadline, a new student can be substituted to maintain attendance. If the substitution happens 5 days or more prior to the event, there is no restriction as to who can be swapped. If less than 5 days prior, the student substituted must be of the same gender to maintain housing arrangements.

IV. Competition Components and Expectations

- 1. The FC scoring has two parts: a Field Test and a Presentation. These two parts will be scored separately. The Field Test will be worth 60% and the Presentation will be worth 40% of the total score. The point ratio for Championships will be 60% Presentation and 40% Test.
- 2. The Field Test is completed as a team and is comprehensive, with many questions using props and tools such as tree specimens and forestry equipment. Copies of the test key will be posted after all testing is complete for viewing only. Photography of the test key is prohibited. The FC Coordinator or designee will be available to answer questions.
- 3. Test questions will be developed using the FC Learning Objectives and reference materials linked to the Objectives as a guide but are not necessarily limited to those items. Knowledge of basic ecological concepts and information presented during the event may be tested as well.

- 4. The use of personal electronic devices such as cell phones is not allowed during field testing, presentation prep time (besides for transferring pictures), and the final morning while in the waiting area. Devices will be confiscated if deemed necessary by authorized staff and volunteers.
- 5. Students will not be allowed to use their reference materials, including cellular devices, during the Field Test. All materials needed during the Field Test, including identification keys, reference materials, calculators, and equipment, will be provided at the testing stations.
- 6. Any written and electronic materials teams bring to the event and gather while at the event may be used during presentation prep time. Laptop computers will be used, and there will be equal access to wireless internet when available. Hotspot devices will be allowed as determined by the FC Coordinator.
- 7. Students will not be allowed to review presentation materials outside of designated presentation work times.
- 8. At the beginning of the presentation schedule, students and chaperones will be gathered in one area to wait until their presentation time begins. Chaperones will be allowed to attend presentations by their school.
- 9. Each team's Field Test and Presentation scores will be totaled, and overall place awards will be given accordingly. All participants will receive a certificate of participation.

V. Other

- 1. Transportation to, from, and during an event will be the responsibility of each participating team unless transportation is provided during an event.
- 2. Students may attend more than one regular event during the fall season. If a team with one or more repeating students places in the top 5, that team will not displace a team that is competing for the first time that season.
- 3. Students and chaperones will be asked to complete an evaluation form at the conclusion of the event.
- 4. Grievances must be submitted in writing to the FC Coordinator by the end of the review period immediately following the Field Test or the Presentation portion of the event. Grievances will be reviewed by the Coordinator and discussed with involved judges and/or volunteers. The Coordinator's decisions are final.
- 5. FC rules are subject to change by the Coordinator. Any changes will be explained in advance to all teams and chaperones.
- 6. Host site/facility rules will be enforced in addition to FC Rules.
- 7. Any infraction of any of the FC Rules may result in disqualification and/or dismissal from the event and the host site.



The Forestry Challenge is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment – particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At lease 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: www.caclimateinvestments.ca.gov.

This publication made possible through a grant from the USDA Forest Service.

In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age or disability. (Not all prohibited bases apply to all programs.)

EXPANDED SCHEDULE FOR WEDNESDAY

Wednesday, September 24, 2025

4:00 to 5:30 Registration – Meeting Hall

5:30 to 6:30 Dinner – Dining Hall and outdoor picnic tables

6:45 to 7:00 Welcome – Basketball Court

Please gather by 6:40

Bring Focus Topic Question, Paper, and Pencil

7:00 to 8:15 Focus Topic Question presented / Q&A

8:30 to 9:45 Night Hike and evening activities TBD

10:00 Report to Cabins

10:30 Lights Out





For the past several years, Redwood Empire and the Los Angeles Hardwood Lumberman's Club have awarded scholarships to Forestry Challenge alumni to assist with expenses in the pursuit of a college degree in Forestry. Here are the 2025 recipients, each one earning scholarships from both donors:

Drew Zacha Oregon State University



Kelly Cantrell University of Montana



Rowan Galliano Cal Poly Humboldt



Sloan Farinha



EXPANDED SCHEDULE FOR THURSDAY

Thursday, September 25, 2025

8:00 to 8:45	Breakfast
8:45 to 9:00	 Field Training Introduction ❖ Gather in front of Meeting Hall ❖ Training Rotation Schedules will be distributed at breakfast
9:00 to 12:00	Field Training
12:00 to 1:00	Lunch
1:00 to 1:15	Gather for Data Collection in Parking Lot ❖ Bring Focus Topic Question, Camera, Paper, Clipboards, Water Bottle and Cruiser Vest
	❖ Wear event t-shirt, jeans, and boots
1:15 to 1:45	Travel to Data Collection Location
1:45 to 4:30	Data Collection
4:30 to 5:00	Travel back to Mountain Meadows
5:30 to 6:30	Dinner
7:00 to 10:30	 Students Prepare Presentations in Meeting and Dining Hall ❖ Each team will be assigned a table ❖ Laptops should be used
	 Wireless internet available on designated computers Students should not leave the room without permission (except for Ask a Forester appointments)
7:15	"Ask a Forester" introductions in Meeting Hall
7:20 to 9:30	"Ask a Forester" appointments
10:30	Turn in Computers and Report to Cabins
11:00	Lights out

THURSDAY A.M. FIELD TRAINING

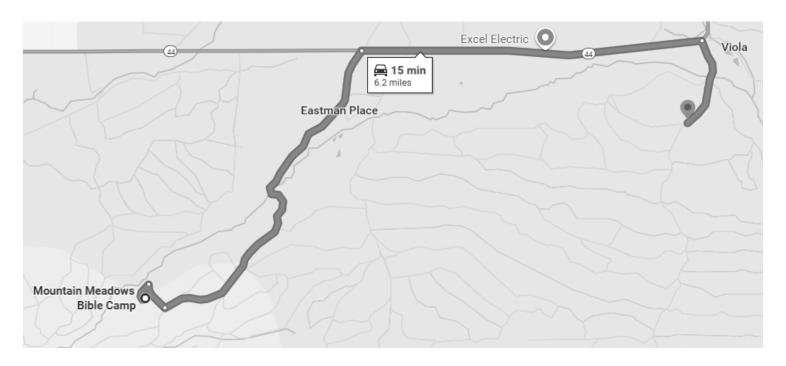
We will have two training tracks, A & B, that your team will divide between. Try to split each team as evenly as possible between the two training tracks. Track A needs the angle gauges and Track B will keep the cruiser vest. The tracks are as follows:

Training Track A	9:05 -	9:50 -	10:35 –	11:20 –
	9:45	10:30	11:15	12:00
Tree ID, Species Comp Surveys	Teams	Teams	Teams	Teams
	1 – 8	25 - 31	17 – 24	9 – 16
Angle Gauge,	Teams	Teams	Teams	Teams
Limiting Distance Table	9 – 16	1 – 8	25 - 31	17 – 24
Volume Tables, Market Values	Teams	Teams	Teams	Teams
	17 – 24	9 – 16	1 – 8	25 - 31
Maps and Compass	Teams 25 - 31	Teams 17 – 24	Teams 9 – 16	Teams 1 – 8

Training Track B	9:05 -	9:50 -	10:35 –	11:20 –
	9:45	10:30	11:15	12:00
Dichotomous Plant Keys	Teams	Teams	Teams	Teams
	1 – 8	25 - 31	17 – 24	9 – 16
Diameter Tape, Clinometer,	Teams	Teams	Teams	Teams
Biltmore Stick, Pacing	9 – 16	1 – 8	25 - 31	17 – 24
Increment Borer, Site Class,	Teams	Teams	Teams	Teams
Densitometer	17 – 24	9 – 16	1 – 8	25 - 31
Technology	Teams 25 - 31	Teams 17 – 24	Teams 9 – 16	Teams 1 – 8

- ❖ Teams should assemble in front of the Meeting Hall no later than 8:45.
- Training worksheets will be handed out just prior to training.
- Wear long pants and close-toed shoes.
- Bring your clipboard, calculator, and forestry tools.
- ❖ You may bring study materials and paper with you for taking notes.

Field Study Site





From Long Hay Flat Road, turn **RIGHT** onto CA-44 Eastbound and drive 2.5 miles. When the road takes a sharp turn to the left, there will be a sign for Elevate Camps. Turn **RIGHT** just before the camp sign onto Mineral Road. Head down past the camp and cross the one lane bridge. From there, we will direct you to the Demo Plot.

Thank you to Sierra Pacific Industries for the opportunity to conduct a cruise on their property.

"ASK A FORESTER" NOTES AND GUIDELINES

- Ask a Forester schedules will be available Thursday evening before appointments begin.
- Be ready to go a few minutes before your scheduled appointment time.
- Appointments are 15 minutes in length.
- Bring any materials with you that will help make your appointment productive.
- Any number of team members may go to the appointment.
- Advisors may not go to the appointment.

EXPANDED SCHEDULE FOR FRIDAY

Friday, September 26, 2025

Time	Teams 1-16	Teams 17-31		
8:00 to 9:00	Brea	Breakfast		
9:00 to 9:30	Gather for Field Testing and Walk to Testing Stations	Travel to HELO Field Trip		
9:30 to 12:00	Field Testing	Field trip at HELO Site		
12:00 to 1:00	Lur	nch		
1:00 to 1:30	Travel to HELO Field Trip	Gather for Field Testing and Walk to Testing Stations		
1:30 to 4:00	Field trip at HELO Site	Field Testing		
4:00 to 5:00	Logging Sports, Test Review, Pacing Contest			
5:00 to 5:30	Group Photo, School Photos, Logging Sports			
5:30 to 6:30	Dinner			
6:30 to 9:30	Teams Finish Preparing Presentations – Meeting Hall At 9:30 all teams must turn in their laptops and presentations			
9:30 to 10:30	Night Hike, Stargazing, and Awards Setup			
10:30	Report to Cabins			

FRIDAY FIELD TESTING SCHEDULE

Time Station	9:30 to	10:10 to	10:50 to	11:30 to
	10:02	10:42	11:22	12:02
Toboggan	Teams	Teams	Teams	Teams
	1 – 4	13 – 16	9 – 12	5 – 8
Bridge	Teams	Teams	Teams	Teams
	5 – 8	1 – 4	13 – 16	9 – 12
Campfire	Teams	Teams	Teams	Teams
	9 – 12	5 – 8	1 – 4	13 – 16
Creekside	Teams	Teams	Teams	Teams
	13 – 16	9 – 12	5 – 8	1 – 4

Time Station	1:30 to	2:10 to	2:50 to	3:30 to
	2:02	2:42	3:22	4:02
Toboggan	Teams	Teams	Teams	Teams
	17 – 20	29 – 31	25 – 28	21 – 24
Bridge	Teams	Teams	Teams	Teams
	21 – 24	17 – 20	29 – 31	25 – 28
Campfire	Teams	Teams	Teams	Teams
	25 – 28	21 – 24	17 – 20	29 – 31
Creekside	Teams	Teams	Teams	Teams
	29 – 31	25 – 28	21 – 24	17 – 20

Important Information about Field Testing:

- * Testing stations will be 32 minutes each with 8-minute rotations in between.
- * Teachers will travel in the same rotation with their team but may not interact with team members at any time during the testing periods. They may, however, look at a blank copy of the test provided by the test station proctors.
- * Teachers need to be aware of the route to the next station and will be responsible for getting their group of students there on time.
- * Teams cannot use notes, written materials, or forestry tools except those given to them at the stations.
- * Teams are responsible for bringing their own clipboard.
- * Students will return all tools before moving to the next testing station.
- * At the end of the afternoon test session, 2-3 copies of the Test Key will be posted for teams for review and students will have an opportunity to revisit the stations if there are any questions.

A Note About Our Sponsors:



In addition to the sponsors on the front cover of this booklet, we would like to thank Anderson Logging for sponsoring us and providing company t-shirts.

Shasta Forestry Challenge Champions

2009 – Trinity High School 2010 – Nevada Union High School 2011 – Elk Grove High School

2012 – Anderson New Technology

2013 – Anderson New Technology

2014 – Nevada Union High School

2015 – Enterprise High School

2016 - Nevada Union High School

2017 – Shasta Charter Academy 2018 – Trinity High School 2019 – Nevada Union High School 2021 – Foresthill High School 2022 – Mt. Shasta High School 2023 – Ross School

2024 – Grant Union

Pacing Contest:

The goal of this contest is to pace a 66-foot distance without the use of any measuring device. To practice for this contest, we will mark a 66-foot distance on the sidewalk in front of the Meeting Hall. Stand with your heels on one line and walk with a comfortable step until your toes touch the other line. Once you know how many steps (or paces) you walk, try it without the lines. Then, measure your distance to see how close you are. Note: you will need to know how to do this anyway in order to measure trees using only a Biltmore stick.

Each school will mark the beginning and end of their chain. Each school gets one entry. The school that can pace a distance closest to 66 feet wins the contest and takes possession of the coveted "board foot" trophy.

Shasta Forestry Challenge Pacing Contest Winners

2011 – Elk Grove High School

2012 - Lake Almanor Christian School

2013 - Nevada Union High School

2014 – Anderson New Technology

2015 - Nevada Union High School

2016 - Nevada Union High School

2017 - Enterprise High School

2018 – Red Bluff High School

2019 - Fort Bragg High School

2021- Foresthill High School

2022 - Butte Valley High School

2023 - Redding Christian School

2024 - Golden Eagle Charter

EXPANDED SCHEDULE FOR SATURDAY

Saturday, September 27, 2025

8:00 to 9:00	Breakfast
8:15 to 9:00	Judges Orientation – Meeting Hall (For Judges and Timekeepers only)
9:15 to 11:15	ALL TEAMS - Report to Picnic Tables or first round of presentations ❖ Presentation room assignments distributed Friday evening ❖ All teams must complete thank you notes and evaluation forms before leaving holding area

11:20 to 11:45 Judging Panel Feedback to Students – Basketball Court

11:45 to noon Awards – Basketball Court

Noon Lunch and Farewell



Presentation Notes:

- * If your presentation time is not suitable, you are free to trade with another team if both agree. Just let us know.
- * Teachers and parents may listen to their own team's presentation(s) but may not listen to other teams.
- * Each presentation location will have three judges, one of whom will serve as timekeeper.
- * The timekeeper will start timing when the presentation begins and show a 5 and a 1 minute warning card. The timekeeper will stop the presentation when time is up, even if the team is not finished.
- * The timekeeper will time the 5 minute question and answer period, with a 1 minute warning.
- * Teams will keep their presentation materials. We encourage teams to give their presentations at school and in the community.
- * All teams will attend a review session from 11:20 to 11:45, where the judges will provide feedback to the teams, after which the awards will be presented.

