Yosemite Stanislaus Solutions
May 17, 2024

FORESTRY CHALLENGE℠

Goal #1: Teach students the basic principles of forestry, connecting classroom math and science to hands-on experiences with real-world applications, enabling them to make recommendations about natural resource management.

Determining Basal Area

Measuring Canopy Cover

Assessing Annual Growth Rings

FORESTRY CHALLENGE

Goal #2: Give students the opportunity to explore careers by interacting with natural resource professionals including foresters from public agencies, private industry, and other organizations.

Samantha Conn
LA County Fire

Len Nielson
CalFire

Ted James
Sierra Pacific Industries

Goal #3: Provide an opportunity for a diverse student population to experience outdoor recreation and develop an appreciation of the forest and its benefits to all.

Fall Summary:

- 538 students
- 113 teachers
- 127 teams
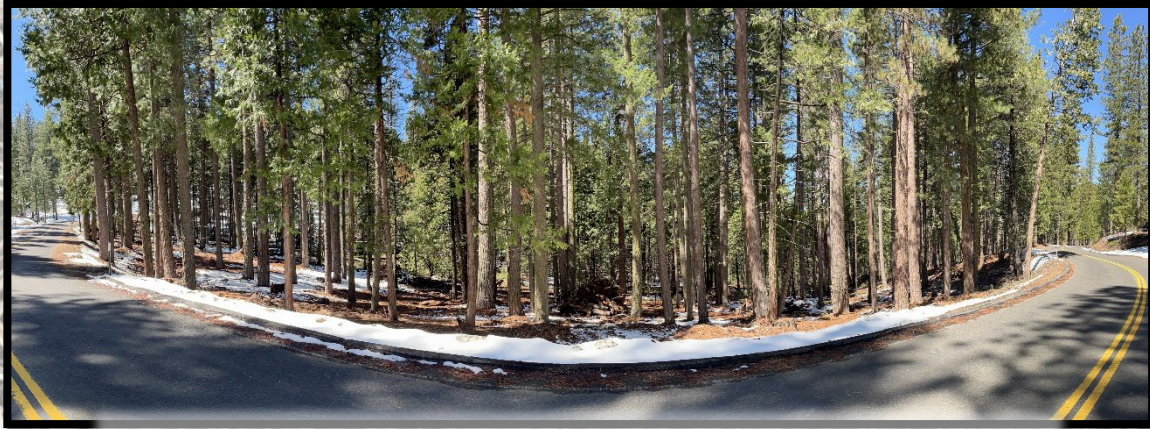- 71 schools
- 63% female

Forestry Challenge Championship

29 teams and 125 students from 23 schools

The focus topic is Fuelbreak Maintenance. Students will identify the various methods used to treat existing fuelbreaks to maintain them and create a flowchart that will help land managers determine which method works best for a specific location and situation.

Masticated and machine piled

Hand piled

Broadcast burned

Needs treatment

FORESTRY CHALLENGE CHAMPIONSHIPS 2024

Place	School	Team Number	Total Test (100)	Pres Judge 1	Pres Judge 2	Pres Judge 3	Present Average	Total (250)
1	Eleanor Roosevelt	6	80.17	135.0	139.0	127.0	133.7	213.8
2	Golden Sierra	8	80.67	137.0	136.0	120.0	131.0	211.7
3	Woodside	30	79.50	128.0	138.0	119.0	128.3	207.8
4	Mira Loma	17	82.34	126.0	131.0	118.0	125.0	207.3
5	Palisades	22	89.34	115.0	125.0	113.0	117.7	207.0
6	Mariposa	14	74.50	129.0	128.0	131.0	129.3	203.8
7	Foresthill	7	88.67	118.0	104.0	118.0	113.3	202.0
8	Palisades	23	81.17	127.0	120.0	114.0	120.3	201.5
9	Mira Loma	16	81.17	122.0	114.0	123.0	119.7	200.8
10	Granada Hills	11	81.50	113.0	116.0	123.0	117.3	198.8
11	Oceanside	20	79.67	122.0	126.0	109.0	119.0	198.7
12	Adolfo Camarillo	2	63.84	136.0	129.0	135.0	133.3	197.2
13	Granada Hills	10	76.17	117.0	121.0	125.0	121.0	197.2
14	John F Kennedy	12	76.34	118.0	118.0	112.0	116.0	192.3
15	Ross	25	79.67	111.0	111.0	113.0	111.7	191.3
16	Benicia	4	73.50	122.0	100.0	131.0	117.7	191.2
17	Mariposa	13	77.50	111.0	113.0	117.0	113.7	191.2
18	Oceanside	19	62.00	128.0	125.0	119.0	124.0	186.0
19	Adolfo Camarillo	1	64.25	130.0	118.0	116.0	121.3	185.6
20	West Campus	29	70.00	117.0	121.0	100.0	112.7	182.7
21	Nevada Union	18	78.50	109.0	102.0	97.0	102.7	181.2
22	Charter Oak	5	71.59	104.0	117.0	106.0	109.0	180.6
23	Weed	28	66.00	113.0	100.0	118.0	110.3	176.3
24	Pacific Crest	21	61.84	102.0	112.0	108.0	107.3	169.2
25	Golden Sierra	9	51.50	105.0	109.0	128.0	114.0	165.5
26	Anderson New Tech	3	66.50	85.0	111.0	95.0	97.0	163.5
27	Middletown	15	55.50	101.0	107.0	91.0	99.7	155.2
28	Venture	27	55.50	103.0	101.0	84.0	96.0	151.5
29	Ulyesses S Grant	26	43.09	99.0	90.0	77.0	88.7	131.8