

## YCC 2020 Registration

Email To: [sciencecamp@olt.org](mailto:sciencecamp@olt.org)

Parents Names:

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Phone:

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Email:

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Mailing Address:

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Child's name, age, T-shirt size:

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## YOUTH CONSERVATION CORPS

Is a new program offered to youth ages 12 through 15 who are interested in a more in-depth experience. They will be working with scientists who are experts in their field and dedicated to scientific research through the Orient Land Trust Educational Program.

Our goals are to create awareness of environmental issues, resource sustainability, land and habitat conservation. Our program provides the opportunity to experience this unique environment, to expand knowledge of the natural world and to instill a sense of stewardship and personal responsibility.

### SCHEDULE & FEES

**Orientation: Sunday, August 2**

**7 pm at the Everson Ranch**

**Workshops: Monday, August 3, 4 & 5**

**Solar Car Race: Thursday, August 6**

**There is no fee for camp!**

**A donation of \$50 material fee is requested, scholarships available.**

***Cancellation Fee of \$25 if you cancel after May 1st, \$50 after July 1st!***

**Class Limit is 16 youth!**



**YOUTH  
CONSERVATION  
CORPS**

**AUGUST 2- 6  
2020**



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**Dr. Marla Steele is leading a study for OLT's long-term Raptor Monitoring Program!**

**This summer Marla will be banding raptors and collecting data. Students will be studying animal migration and landscape connectivity specifically relating to raptors and bats at OLT. Youth will watch a raptor being banded and released. They will learn about more advanced research techniques where they can participate in an actual study as a young scientist and where they can report their own bird surveys at home.**



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**Dr. Dean Levi will lead the Solar Energy workshop! Camp participants will learn about solar electricity generation while getting hands on experience building and racing a miniature solar-powered car. We will start by learning the physics of how photovoltaic solar cells produce electricity directly from sunlight. The workshop will blend hands-on design and construction of the cars with short classroom-like sessions where we will learn how electric motors work, how gears transfer the power from the motor to the wheels, and how it all comes together to make a successful solar race car. Each student will customize their kit using optional parts and artistic supplies to express their ingenuity and creativity. In addition to the race competition, on the last day of the workshop, students can win awards for design and best Sportsmanship!**

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**NASA Solar System Ambassador Mark Cunningham will explore the night sky in depth. Students will learn how to find objects in the sky using our 8" telescopes, take dark sky readings for the Sangre De Cristo Dark Sky Reserve and see how astronomers work together and collect data. Astro photography through our 16" Meade will be demonstrated.**

