

2019 Chaparral Naturalist Class Schedule

<p>Pre-Study – Philosophy of Nature Reading</p> <ol style="list-style-type: none"> 1. Chaparral: Pure California - Halsey 2. The Biophilia Effect - Williams 3. Call of the Wild - Gibson 4. The Conscience of the Conqueror - Abbey 5. The Healing Wound - Stevens 	<p>5. Environmental Ethics</p> <ol style="list-style-type: none"> 24. Cognitive Dissonance 25. Why Preservation is Important 26. Intrinsic Value vs. Utilitarianism 27. TBA 28. TBA <p>ST: Dirt Myths/Communicating Preservation</p>
<p>1. Introduction: How can reconnecting with Nature through the chaparral save the world?</p> <ol style="list-style-type: none"> 1. What's Chaparral? 2. Our Mediterranean Climate 3. Chaparral Geography 4. Chaparral vs. Sage Scrub 5. Chaparral Plant Communities 6. Chaparral's Relationship to Fire <p>ST: CA Watersheds</p>	<p>6. Animals: Know and love 20 chaparral animal species</p> <ol style="list-style-type: none"> 29. Committed: The Wrentit 30. Tenacious – CA Red Harvester Ants 31. Protective – CA Grizzly Bear 32. Auspicious – Rattlesnake 33. Persistent: Steelhead Trout <p>ST: Classification Tree</p>
<p>2. Geology: Know and love 20 chaparral rocks and minerals</p> <ol style="list-style-type: none"> 7. Watershed Literacy 8. Tectonic History of California 9. Igneous Rocks 10. Changing Rocks 11. Soils and Manzanitas 	<p>7. Evolution/Ecology: How did/does evolution shape the chaparral's ecology?</p> <ol style="list-style-type: none"> 34. Evolutionary Journey 35. Competition and Niches 36. Speciation 37. Populations and Changes 38. TBA 39. Climate Change
<p>3. Plants: Know and love 20 chaparral plant species</p> <ol style="list-style-type: none"> 12. Classification and Leaving Water Behind 13. Leaves and Forms 14. Flower Form and Structure 15. Plant Sex 16. Drought Strategies 17. Non-natives and Invasives <p>ST: Sunflowers/Plant Families</p>	<p>8. Ecology Field Trip</p> <ul style="list-style-type: none"> - Caliche cobbles/vernal pools - Viejas overlook/fire and plutons - Guatay old growth chaparral - Redshanks chaparral - Montane chaparral/ Sunrise highway geology - A fine Mediterranean dinner - Graduation
<p>4. Fire: Infrequent, high-intensity, and large</p> <ol style="list-style-type: none"> 18. Fire Basics 19. Shrubs and Fire 20. Wildflowers and Fire 21. High Fire Frequency Impacts 22. Fire Truths I: Big Fires 23. Fire Truth II: Ecology 	<p>Camp Howl Celebration</p> <ul style="list-style-type: none"> - A fine Mediterranean dinner - Chaparral workshops (by former and new grads) - Exploring local chaparral habitats - Another fine Mediterranean dinner