

## 2022 Chaparral Naturalist Class Schedule (Final Version)

<p>Readings: Chaparral and Nature as a Safe Space</p> <ol style="list-style-type: none"> <li>1. Call of the Wild - Gibson</li> <li>2. The Conscience of the Conqueror – Abbey</li> <li>3. The Biophilia Effect - Williams</li> <li>4. Chaparral: Pure California – Halsey</li> <li>5. The Healing Wound – Stevens</li> </ol>	<p>Class 5: Evolution/Ecology: How does evolution shape the chaparral’s ecology?</p> <ol style="list-style-type: none"> <li>34. Evolutionary Journey</li> <li>35. Competition and Niches</li> <li>36. Speciation</li> <li>37. Populations and Changes</li> <li>38. Human Ecology</li> <li>39. Climate Change</li> </ol> <p><i>Sp Topic: Timeline</i></p>
<p>Class 1: Welcome to Nature!</p> <ol style="list-style-type: none"> <li>1. What’s Chaparral?</li> <li>2. Our Mediterranean Climate</li> <li>3. Chaparral Geography</li> <li>4. Chaparral vs. Sage Scrub</li> <li>5. Chaparral Plant Communities</li> <li>6. Chaparral’s Relationship to Fire</li> </ol> <p><i>Sp Topic: Nature as a Safe Space</i></p>	<p>Class 6: Fire: Infrequent, high-intensity, and large</p> <ol style="list-style-type: none"> <li>18. Fire Basics</li> <li>19. Shrubs and Fire</li> <li>20. Wildflowers and Fire</li> <li>21. High Fire Frequency Impacts</li> <li>22. Fire Truths I: Big Fires</li> <li>23. Fire Truths II: Ecology</li> </ol> <p><i>Sp Topic: Plant responses to fire</i></p>
<p>Class 2: Geology: Know and love 20 chaparral rocks and minerals</p> <ol style="list-style-type: none"> <li>7. Watershed Literacy</li> <li>8. Tectonic History of California</li> <li>9. Igneous Rocks</li> <li>10. Changing Rocks</li> <li>11. Soils and Manzanitas</li> </ol> <p><i>Sp Topic: CA Watersheds</i></p>	<p>Class 7: Thinking Clearly</p> <ol style="list-style-type: none"> <li>24. Crash Course in Complexity</li> <li>25. Intuitive But Wrong</li> <li>26. Nexus Causality</li> <li>27. Cognitive Dissonance</li> <li>28. The Shadow</li> </ol> <p><i>Sp Topic: Dirt Myths &amp; Halsey 2004 (Allelopathy)</i></p>
<p>Class 3: Plants: Know and love 20 chaparral plant species</p> <ol style="list-style-type: none"> <li>12. Classification and Leaving Water Behind</li> <li>13. Leaves and Forms</li> <li>14. Flower Form and Structure</li> <li>15. Plant Sex</li> <li>16. Drought Strategies</li> <li>17. Non-natives and Invasives</li> </ol> <p><i>Sp Topic: Sunflowers/Plant Families</i></p>	<p>Class 8: Ecology Field Trip</p> <ul style="list-style-type: none"> <li>- The great Ballena River</li> <li>- Viejas overlook/fire and plutons</li> <li>- Guatay old growth chaparral</li> <li>- Redshanks chaparral</li> <li>- Montane chaparral/Sunrise Highway geology</li> <li>- A fine Mediterranean dinner</li> <li>- Graduation</li> </ul>
<p>Class 4: Animals: Know and love 20 chaparral animal species</p> <ol style="list-style-type: none"> <li>29. Committed: The Wrentit</li> <li>30. Tenacious – CA Red Harvester Ants</li> <li>31. Protective – CA Grizzly Bear</li> <li>32. Auspicious – Rattlesnake</li> <li>33b. Persistent: Spadefoot Toad</li> </ol> <p><i>Sp Topic: Classification Tree</i></p>	