

This schedule is subject to revision.

\*See syllabus and course handouts for details on readings and assignments.

WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
<p><b>Introductions</b></p> <p><b>Film</b>                      “The hidden heart of the cosmos,” Brian Swimme</p> <p>Discussion/Workshop                      -Cosmology                      -Educating the whole child for the 21<sup>st</sup> Century                      -Astrophysics made relevant.</p> <p><b>Film</b>                      “The Mystery of Chaco Canyon”</p> <p>Discussion/Workshop                      -Archeo-astronomy: why a multicultural view is more complex.</p> <p><b>Lunch</b></p> <p><b>Afternoon Workshop</b>                      -Cosmology &amp; Mythology: Where science &amp; stories come together.</p> <p>-Traditional Stories</p> <p>-Indigenous Poets &amp; Songwriters: The Moon</p> <p><b>Lecture:</b>                      The History of Science &amp; the importance of Environmental Education—preparing our students for the future.</p> <p><b>Wrap-up</b>                      -----                      Reading Responses:                      Due each week                      (See handouts for details.)</p>	<p><b>Seminar Discussion</b></p> <p><b>Workshop</b>                      Special Projects</p> <p><b>Film:</b>                      Nova-Origins, 1 &amp; 4</p> <p><b>Special Potluck Lunch</b></p> <p><b>Lab 1:</b>What is Science? An Inquiry Based Approach.</p> <p>-Len Adams (Kootenai), Astro/Physics &amp; Science Education; (Len worked on the Nova Program)</p> <p><b>Lab 2:</b> Principles of Science &amp; Multi-Cultural Education,</p> <p>-Nan McNutt, Science and Cultural Education at the University of Washington’s “Science and Tribes Program;” (With Len &amp; Rebecca)</p> <p>-----                      Due:                      -Reading responses</p> <p>-Statement about your special project</p> <p>-Bring food for potluck.</p> <p>-Does someone have a hot-plate or small stove for lab 2?</p>	<p><b>Seminar Discussion</b></p> <p><b>Lab 3: Rock I.D. , Geological Cycles.</b></p> <p>Pam Carter, Geologist/ Science Educator</p> <p><b>Special Potluck Lunch</b></p> <p><b>Field Trip:</b>                      Tukwilla Butte</p> <p>Identifying marine fossils.</p> <p>Duwamish stories of geology                      -----                      Due:                      -Reading response papers</p> <p>-Wear comfortable walking shoes &amp; clothes for afternoon field-trip.</p> <p>-Bring food for potluck.</p> <p><b>Wrap-up</b></p>	<p><b>Field Trip</b>                      Meet at: The Pacific Science Center:                      200 Second Ave. N., Seattle, WA 98109                      (206) 443-2851                      (Come 15 min. early so we can be in the workshop @ 9:30)</p> <p><b>Curriculum Review:</b>                      9:30 a.m. Review Astro Adventures &amp; Other Ed. Resources (w EALR’s)</p> <p>Dennis Schatz, Ph.D, Lead Astronomer/ Science Educator, (Dennis worked on the Nova Program)</p> <p><b>Lab 4: Star-Lab Planetarium</b>                      11:00-12:00. Starhunt, phases &amp; cycles, hands on astronomy (private program).</p> <p><b>Lunch</b> (on your own)</p> <p><b>Field Trip:</b> 1:00-3:00                      The Healing Heart of the First People of this Land: The Seattle Symphony &amp; Skagit Elder, Vi Hilbert, taq’šəbu.                      At Benaroya Hall                      3<sup>rd</sup> Ave. &amp; Union St.</p> <p><b>Editing Workshop</b>                      Special Project--small group editing &amp; peer review.                      -----                      Due:                      -Reading response papers                      -4 Copies of: Draft &amp;/or example of Special Project for peer review.</p>	<p><b>Seminar Discussion</b></p> <p><b>Lab 5:</b> Soil Analysis</p> <p>Lecture: Geology &amp; Indigenous Cultures: Soil &amp; water-- geologic systems &amp; geopolitical/ economic/ cultural processes. Case studies: Cambodia &amp; Hawaii.</p> <p>Molly Mier, Environmental Scientist/Geologist, working with rocks and soils with Indigenous communities in Asia and the Pacific.</p> <p><b>Special Potluck Lunch</b></p> <p><b>Final Presentations:</b>                      Special Projects.                      (15 min. each)</p> <p><b>Final Wrap-up</b>                      -----                      Due:                      -Reading responses                      -Final Portfolio                      -Presentation of Special Project.</p> <p>-Bring food for potluck</p>