NĀNĀKULI AHUPUA'A FIELD TRIP: SEPT. 23, THURSDAY
8:00 am to 11:20 am

Before the Field Trip!
- Hand in your signed permission form & medical insurance info (no form, no medical, no trip! Note: school medical can be obtained – ask your teacher)
- In class you will be assigned a group of 3-4 students. Chaperones will be with no more than 12 students for the morning.
- Take this sheet home to let your family know more about the trip & to prepare all you will need to bring with you – this includes:
  1. notebook, pencil, & limu flashcards
  2. sunscreen lotion, hat, umbrella (depending on weather)
  3. running or hiking shoes – waterproof if possible (slippers will not protect your feet from sharp rocks, mud, etc!)
  4. water & snack for recess (you will return to school in time for lunch as normal)
  5. plastic shopping bag to collect samples, own trash, etc – you may also want to bring a small backpack, but you cannot leave personal items on the bus!
     Things not to bring: music walkmans, gameboys, other valuables

On the Day of the Field Trip!
Note: If you are not going on the trip, report to the class your teacher assigned you with all your term notes to do the alternate work. Stay there for only 1 class, & go to your other class as normal.
- 8:00 – in your classroom, review agenda, meet chaperones & get into groups
- 8:15 – meet bus, get name tags as you step onboard (leave on all morning!)
- 8:30 – buses depart (remember safety & manners for bus)
- 8:45 – buses arrive at either Maili Pt. or Nānākuli Beach site
- 9:00 – 1st presenter speaks to whole group (either Local Environmentalist or Kupuna about Importance of Limu)
- 9:30 – groups conduct up to 3 site observations & water tests
- 10:30 – 2nd presenter speaks (see above) to whole group
- 11:00 – students get on bus and return by 11:20

After the Field Trip!
- Bring all field trip data to your next class – this includes you group’s: limu cards, water sample data (for fresh, salt & brackish water - even if not correct!), & site maps & observations (includes limu, bugs, fish, plants, pollution, waterlines (high tide, etc), rocks, etc. – everything you saw at your group’s sites!)
- Homework: a draft list of everything people do (or could do) to mālama i ka ‘āina on the Leeward Coast
## Term 1 Ahupua'a Project Rubric
(How students will earn their grades)

<table>
<thead>
<tr>
<th>Project Criteria</th>
<th>Exceeds Expectations (80% +)</th>
<th>Meets Expectations (___% +)</th>
<th>Does not meet Expectations (___% or less)</th>
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</thead>
<tbody>
<tr>
<td><strong>1. Water Analysis</strong>&lt;br&gt;(collection, testing, &amp; written results with kit)&lt;br&gt;<em>Must do this one!</em>&lt;br&gt;Team worked together &amp; completed all tests at both sites accurately; did extra tests; helped other teams; participated fully in large group</td>
<td><strong>Team worked together &amp; completed all tests at both sites accurately; did extra tests; helped other teams; participated fully in large group</strong></td>
<td><strong>Team worked together, completed ____% of all tests at both sites with accurate results; participated in large group for ____ min. or more</strong></td>
<td><strong>Team unable to work together &amp;/or completed less than ____% of tests at either site accurately; did not participate for ____ min. in large group</strong></td>
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<td><strong>2. Limu observation</strong>&lt;br&gt;(identification of types, count, locations)&lt;br&gt;<em>note students cannot take away limu from site!!</em></td>
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<td><strong>3. Site mapping &amp;/or Observation</strong>&lt;br&gt;(estimate size, use scale to draw &amp; show location of)&lt;br&gt;* Teams of 3-4 will see 2 sites each on trip*</td>
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<td><strong>4. Site Clean up</strong>&lt;br&gt;(record, clean up litter, oil, etc)&lt;br&gt;<em>This would mean coming with trash bags, practicing safety)</em></td>
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<td><strong>5. Poster or Model</strong>&lt;br&gt;(to show all field trip results to class)&lt;br&gt;<em>will only have 1 class to put together!!</em></td>
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<td><strong>6. Team Presentation</strong>&lt;br&gt;(to tell class what you learned on the trip)&lt;br&gt;<em>will only have same 1 class to prep this!!</em></td>
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<td><strong>7. Environmental Action List</strong>&lt;br&gt;(team list of everything people do or could do to mālama ka ‘āina)</td>
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