**ECOLOGY CAMP 2019**

**Dates**: Friday, April 12 (noon) – Tuesday, April 16

**Destination:** Arches National Park, Moab UT

**Total cost per student**: $300

**Deposit required:** $50 by January 15, 2019

**Deadline for forms and fees:** March 1, 2019

**Website to check out:**

Arches National Park <http://www.nps.gov/arch/index.htm>

Ms. Cordes’ website for links to forms: www.mscordes.com

**Lodging:**

April 12 --- Best Western, Ogden, UT

April 13-14 --- campground in Arches National Park

April 15 --- Best Western, Idaho Falls

**Itinerary (see the back of this page for further details):**

*Due to the large volume of students and the delicate ecosystems we’ll be exploring, students will be divided into three groups to lessen our environmental impact. For this reason, individual student itineraries may vary slightly.*

**ANTICIPATED LABS:**

1. Analysis of sedimentary deposits
2. Comparing plant populations
3. Simpson’s Diversity Index
4. Desert plant and animal adaptations
5. Mark and recapture of invertebrates
6. Succession in desert ecosystems
7. Investigation of species along an abiotic gradient

Students will also have the opportunity to hear a presentation from the Utah Division of Wildlife Resources, hike to Delicate Arch, and discuss excerpts from *Desert Solitaire*.

Evening activities will include: data analysis and presentations on history, sustainability, and desert ecosystems.

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|   | **Group A Schedule:** |   |   |
|   | **Friday, April 12** |   | **Sunday, April 14** |
| 12:00 PM | Travel 8.5 hours (before stops) | 6:00 AM |  |
| 1:00 PM | 7:00 AM | Reflection/Breakfast |
| 2:00 PM | 8:00 AM | Activity 2: Succession and Diversity |
| 3:00 PM | 9:00 AM |
| 4:00 PM | 10:00 AM | Activity 6: Literature |
| 5:00 PM | 11:00 AM | Lunch |
| 6:00 PM | 12:00 PM | Activity 3: Ethogram |
| 7:00 PM | 1:00 PM |
| 8:00 PM | 2:00 PM |
| 9:00 PM | 3:00 PM | Data processing |
| 10:00 PM | Check in - Ogden, UT | 4:00 PM | Travel to restaurant |
| 11:00 PM | 5:00 PM | Dinner in Moab until 6:30 |
| 12:00 AM | 6:00 PM |
|   | **Saturday, April 13** | 7:00 PM | Guest Speaker 6:30-8 |
| 6:00 AM |   | 8:00 PM | Drive to camp |
| 7:00 AM | Continental Breakfast | 9:00 PM | Data processing/Astronomy |
| 8:00 AM | Travel 3.5 hours (before stops)  | 10:00 PM | Bed Time |
| 9:00 AM |   |  |
| 10:00 AM | 6:00 AM | **Monday, April 15** |
| 11:00 AM | 7:00 AM | Breakfast, Pack up, and camp site check out |
| 12:00 PM | Lunch | 8:00 AM |
| 1:00 PM |  Activity 7: Delicate Arch | 9:00 AM | Activity 5: Dichotomous Key |
| 2:00 PM | 10:00 AM | Activity 4: Adaptations |
| 3:00 PM | 11:00 AM |
| 4:00 PM | Bus to campground | 12:00 PM | Lunch |
| 5:00 PM | Activity 1: Geology | 1:00 PM | Travel 6.5 hours (before stops) |
| 6:00 PM | 2:00 PM |
| 7:00 PM | Set up camp and dinner | 3:00 PM |
| 8:00 PM | 4:00 PM |
| 9:00 PM | Debrief/ Data analysis as needed | 5:00 PM |
| 10:00 PM | Bed Time | 6:00 PM |
|   |   | 7:00 PM |
|   |   | 8:00 PM |
|   |   | 9:00 PM | Check in - Best Western - Idaho Falls |
|   |   | 10:00 PM | Bed Time |
|   |   |   |  |
|   |   | 6:00 AM | **Tuesday, April 16** |
|   |   | 7:00 AM |   |
|   |   | 8:00 AM |  Breakfast |
|   |   | 9:00 AM | Travel (Home 6.5 hours + lunch) |
|   |   | 10:00 AM |
|   |   | 11:00 AM |
|   |   | 12:00 PM |
|   |   | 1:00 PM |