

**Native American STEM Mentorship Program 2016  
May 16-20, 2016**

Forage and Range Research Laboratory (FRRL) scientists Shaun Bushman, Doug Johnson, Steve Larson, Kevin Jensen, Joseph Robins, and Jack Staub hosted Utah State University (USU)-Blanding Native American STEM Mentorship Program 2016 students Cedale Armstrong (engineering) and Mitchell Howe (agricultural business) for a week (May 16-20) as mentors in the area of plant genetics and genomics. During the week-long program, FRRL scientists provided Cedale and Mitchell with instruction in the areas of plant breeding and management of rangeland, pasture, and turf. The students visited research plots, ranches, seed companies, and USU facilities, where instruction was given in pollination techniques, ranch management strategies, laboratory techniques in DNA technologies, and the operations of seed production and processing. Cedale and Mitchell received hands-on experiences that allowed them to discover aspects of agriculture that were exciting and thought provoking.



**Utah State University-Blanding Native American STEM Mentorship Program 2016 students Cedale Armstrong (left: Engineering) and Mitchell Howe (right: Agricultural Business) at the summit of Logan Canyon, UT on the way to visiting a sheep ranch in Garden City, UT.**

**Native American STEM Mentorship Program 2016**  
**Forage and Range Research Laboratory Program Schedule**  
**May 16-20, 2016**

Each day USU Blanding personnel (Katie Welgraz, [kathryn.weglarz@gmail.com](mailto:kathryn.weglarz@gmail.com)) will need to make arrangements to deposit (9 am) and pick them up (either 3 or 4 pm depending on the schedule) at the following address:

**USDA, ARS**  
**Forage and Range Research Laboratory (FRRL)**  
**696 North 1100 East**  
**On the east side of UISU campus near the Fine Arts Building**

Monday

Dr. Kevin Jensen (9am-noon)

Activities: Evans Farm, breeding strategies and techniques (plant hybridization-bagging and crossing)

Lunch

Dr. Jack Staub (1 pm-4:00 pm)

Activities: Bear Lake Sheep Farm, breeding of pastures grasses

Tuesday

Drs. Kevin Jensen and Jack Staub (9am-4:00 pm)

Activities: Rangeland Tour (Snowville; Curlew National Grasslands and rangeland breeding and genetics plant)

Lunch

Activities: Rangeland Tour, Bob Adams Ranch and Blue Creek USU Farm

Wednesday

Dr. Shaun Bushman (9am-noon)

Activities: FRRL; chromosome studies-cytogenetics

Lunch

Drs. Shaun Bushman & Joseph Robins (1 pm-4:00 pm)

Activities: Turf grass and pasture grass breeding and genetics, water-wise agriculture and urban production (USU)

Thursday

Dr. Doug Johnson (9am-noon)

Activities: North Park and Millville Farms, native legume collection, breeding strategies, and techniques

Lunch

Drs. Joseph Robins (1 pm-4:00 pm)

Activities: USU Lewiston Farm, Pasture grass breeding and production

Friday

Dr. Steve Larson (9am-noon)

Activities: Evans Farm, breeding strategies and techniques for native grasses

Lunch

Dr. Steve Larson (1 pm-3:00 pm)

Activities: Tour of USU Center for biotechnology (CIB) and USU Agricultural Science