BEMP Basics - an introduction to BEMP and the bigger picture; students learn about ecosystem dynamics, monthly monitoring, equipment and make a map of their UNM field-site
- focus on: groundwater wells, precipitation gauges, leaf-litter fall
- appropriate for grades 2-12

Bosque Botany Bonanza - discuss the concepts of ‘native’ and ‘exotic’ producers, share cuttings of real bosque plants and make a field journal with taping, rubbings & scientific descriptions for future field expeditions
- limited to: summer, fall and late spring for fresh cuttings
- focus on: cottonwood, willow, salt cedar, Russian olive, etc.
- appropriate for grades K-12

River of Change – students learn how the middle Rio Grande watershed has changed over the last 2000 years with this hands-on Bosque Education Guide (BEG) activity
- rio bravo: topography, native plants & animals, historic communities
- rio manso: levees, ditches, jetty jacks, exotic plants & animals, population ↑
- rio nuevo: restoration, management, water resources & citizen science
- appropriate for grades 3-12

Aquifer Model Madness - learn how water moves on planet earth & methods to conserve it, explore a model of the Rio Grande landscape make a mini aquifer to take home
- focus on: the water web, groundwater/surface water, infiltration & conservation
- appropriate for grades 3-12

Leaf Litter Lab – we'll provide the equipment (scales & guides included) and your students will sort BEMP collected litterfall by species and biomass
- weight measurements are essential for processing BEMP data for input into our UNM database
- focus on: plant identification, using scales & data sheet entry
- appropriate for grades 4-12

Fauna of the Floodplain - engage some of our local bosque animal inhabitants with bio-artifacts like skulls, scat and tracks
- focus on: adaptations, animal classification & diversity
- appropriate for grades K-12
**Stormwater Science** - students learn how humans impact the health of the Rio Grande through activities that directly tie us to the surrounding arroyos and watershed
  - focus on: changes to our river during storm events
  - appropriate for grades 4-12, possible throughout the school year

**Dabbling in Data** - discuss monthly monitoring collections & graph data from your BEMP field site, note ecological trends and seasonal changes
  - focus on: shallow groundwater table, graphing, comparison of data points
  - appropriate for grades 4-12

**Creepy Crawly Critters** – students learn about Entomology & phylum *Arthropoda* (bugs!), explore BEMP pitfall traps and insect classification with hands-on lab activities
  - focus on: local insect identification, data journaling and sorting
  - appropriate for grades 2-12

**Bosque BEMP Study-trip** – visit Bosque School in Albuquerque for a BEMP nature hike and discover our bosque up close and personal (limited funding available for bus transportation)
  - focus on: evidence of animals, native/exotic plants, BEMP monitoring
  - students should bring a pencil & packed lunch to picnic along the Rio Grande
  - students should dress appropriately for varying seasonal conditions & hiking
  - all participants receive a take home field journal
  - teacher should pick transportation times between 9:00am-2:00pm, however schedule IS flexible (group limit of 30 students per trip)
  - appropriate for students grades 3-12

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**Education & Outreach Scheduling**

~ please e-mail or call Education Coordinator **Kimi Scheerer** to schedule ~

**BOSQUE SCHOOL**

E-mail: kimi.scheerer@bosqueschool.org
Phone: **505.898.6388 ext. 151**

- scheduling calendar opens **Friday, August 8th – 2014**
- field trip & classroom activity availability is based on a first come/first serve basis
- BEMP has (limited) funding for bus transportation
- in-class worksheets and Common Core correlations are available upon request

**TEACHERS**

Need Continuing Education Credits ???
Consider taking **Bio 408/508L Bosque Internship at UNM**
Offered in Fall, Spring & Summer semesters.

Connect with the science and environmental education of BEMP in the **COLLEGE classroom!**

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In partnership with the: [Image] ~