


HS: 9-10 grades	 Education & Outreach Activities	BEMP Monthly Monitoring	BEMP Study Trip	River of Change	BEMP Basics	Bosque Botany Bonanza	Bosque Succession Game	Leaf Litter Lab	Agua Adventures	Water Budget of the Rio Gande	Dabbling in Data	Storm-water Science	Fauna of the Floodplain Jr.	Fauna of the Floodplain Sr.	Creepy Crawly Critters	Congress (7-12th)	
BEMP Correlation to Common Core Standards	<b>English &amp; Language Arts</b>																
	<b>Informational Text</b>																
	9-10.4: meaning of words and phrases		•		•					•					•		
	<b>Speaking &amp; Listening</b>																
	9-10.2: integrate information	•	•							•	•					•	
	9-10.3: evaluate speaker's POV	•	•													•	
	9-10.4: Present information clearly	•	•							•						•	
	9-10.5: Use digital media															•	
	9-10.6: Adapt speech to diff. contexts	•	•													•	
	<b>Language</b>																
	9-10.1: Understand Eng. Grammar	•	•		•	•				•	•	•			•	•	•
	9-10.2: Understand punctuation	•	•		•	•				•	•	•			•	•	•
	9-10.3: Understand language context	•	•		•	•				•	•	•			•	•	•
	9-10.4: Determine meaning of words	•	•		•	•				•	•	•			•	•	•
	9-10.6: Use domain-specific vocab	•	•		•	•				•	•	•			•	•	•
	<b>History/Social Studies</b>																
	9-10.4: Determine meaning of words				•					•					•	•	•
	9-10.7: integrate tech. analysis	•	•		•	•				•	•	•			•	•	•
	9-10.8: assess evidence in text	•	•		•	•				•	•	•			•	•	•
	<b>Science &amp; Technical Subjects</b>																
	9-10.3: follow procedure	•	•			•				•	•				•	•	•
	9-10.4: understand symbols, vocab	•	•		•					•					•	•	•
	9-10.6: analyze author's purpose	•	•			•											•
	9-10.7: quantitative info into visual form									•	•	•					•
	<b>Writing (History/SS, Science &amp; Tech. Subjects)</b>																
	9-10.2: write informative text		•														•
	9-10.7: research project	•	•														•
	9-10.10: write routinely; journal		•														•
	<b>Mathematics</b>																
	<b>Quantities</b>																
	Q.A.1: Using units	•	•								•	•					•
	Q.A.2: Defining quantities for models	•	•							•	•	•					•
	Q.A.3: Choose level of accuracy	•	•								•	•					•
	<b>Statistics &amp; Probability: Interp. Datat</b>																
	ID.A.1: Data plots	•									•	•					•
	ID.A.3: Interpret data sets	•									•	•					•
	ID.C.9: Distinguish btwn correlation & caus	•	•		•								•				•
	<b>Statistics &amp; Probability: Inferences &amp; Concl.</b>																
	IC.A.1: Use stats to make inferences	•										•					•
	IC.B.3: use randomization in experim.	•	•														•
<b>Science</b>																	
<b>Bmkr 1: Scientific Method</b>																	
1. Describe components of sci investigation	•										•	•				•	
2. Design & conduct sci investigation	•										•					•	
3. Use appropriate technology	•											•				•	
4. convey results of investigation	•										•					•	
<b>Bmkr 2: Science continually eval</b>																	
1. Understand sci produces valid results	•	•			•											•	
2. Use sci reasoning/logic	•	•			•											•	
3. New data=new knowledge	•	•			•											•	
<b>Bmkr 3: Use math skills, vocab</b>																	
1. create multiple displays of data	•															•	
3. Use tech. to quantify results	•	•									•					•	
4. Apply measurement techniq.	•	•									•					•	
5. Use math for sci relationships	•										•					•	
<b>Bmkr 1: survival depends on diversity</b>																	
1. Ecosystem dynamic, complex, evolving	•	•						•	•					•	•	•	
2. Cooperation and competition	•	•						•	•					•	•	•	
3. Limited resources	•	•						•	•					•	•	•	
4. How humans modify ecosystems	•	•						•	•					•	•	•	
5. Energy/matter flows thru ecosystems	•	•						•	•					•	•	•	
6. Trophic energy levels	•	•						•	•					•	•	•	
7. Photosynthesis	•	•						•	•					•	•	•	
8. Taxonomy	•	•						•	•					•	•	•	
9. Variation among/within species	•	•						•	•					•	•	•	
<b>Bmkr 1: Real world applications</b>																	
9. Sci knowledge informs policy	•	•		•	•					•						•	
11. Societal factors affect sci discovery	•	•		•	•					•						•	
12. Societies alter ecosystems	•	•		•	•					•						•	
13. Env, eco, polit, interests impact resourc	•	•		•	•					•						•	
19. Science applicable in many careers	•	•		•	•					•						•	