

# Appendix J: Activities by Topic



The following is a list of topics included in *Bosque Education Guide* activities. This is not a comprehensive listing; it does not list every possible topic. It does, however, include topics that might be included in elementary and secondary courses of study in a variety of subject areas and skills that are used. See the alphabetical listing of activities on the last page of this guide to find the activity.



Activity  
Number

## ***Agriculture***

- The Spirit of the Rio Grande/Rio Bravo (background essay)
- 14. Cottonwood Creation
- 17. Working Water
- 34. Water Budget Activity
- Acequia Culture (background essay)
- 36. Change Is All Around Us

## ***Birds***

- 4. Naturalist Notebooks
- 15. Who Lives Where?
- 22. Mapping Species Richness
- 23. Crane Migration
- Bird Migration in New Mexico
- 47. Who Flew Where?
- 48. Changes in Bird Populations

## ***Bosque Field Trip Activities***

- Planning a Bosque Field Trip: Things to Bring (background information)
- 1. Bosque Search Bingo
- 2. Bosque Discovery Booklet
- 3. Field Explorations Booklet
- 4. Naturalist Notebooks
- 5. Scavenger Hunt
- 6. Wildlife Detectives
- 7. Crawly Creatures
- 8. Pitfall Trapping
- 9. Kick-net Kritters
- 10. A Rose by Any Other Name
- 11. Reading the Bosque
- 12. Winter Bud Activity
- Service Learning
- 44. Naturalist Notebooks: Fire



Activity  
Number

### ***Cottonwood Trees***

- Middle Rio Grande Bosque (background essay)
- 4. Naturalist Notebooks
- 11. Reading the Bosque
- 12. Winter Bud Activity
- 13. Changing River
- 14. Cottonwood Creation
- 21. Cottonwood Quiz
- Fire in the Bosque (background essay)
- 42. A Spectrum of Fires
- 43. Post-fire Survival of Bosque Trees
- 45. Changing Fire

### ***Ecology***

- 13. Changing River
- 15. Who Lives Where?
- 45. Changing Fire
- 16. Who Grows Where?
- 18. Bosque Chaos
- 19. The Web
- 20. Bosque Leaf Hunt Relay
- 22. Mapping Species Richness
- 24. WebQuest: Invasive Species
- 37. Aldo Leopold
- 40. If You Owned a Bosque Ecosystem
- Fire in the Bosque (background essay)
- 42. A Spectrum of Fires
- 43. Post-fire Survival of Bosque Trees
- 45. Changing Fire

### ***Fire***

- 13. Changing River
- Fire in the Bosque (background essay)
- 41. Fire Vocabulary Match-up
- 42. A Spectrum of Fires
- 43. Post-fire Survival of Bosque Fires
- 44. Naturalist Notebooks: Fire
- 45. Changing Fire

### ***Geography***

- 22. Mapping Species Richness
- 31. Watersheds in New Mexico
- 36. Change Is All Around Us
- 37. Aldo Leopold
- 47. Who Flew Where?



### ***Geology***

- Geologic History of the Rio Grande Rift (background information)
- 25. Time Line Activity
- 26. What is the Rio Grande Rift?
- 28. Porosity and Permeability
- 32. Rio Grande Stream Table

### ***Graphing***

- 23. Crane Migration (extension)
- 33. How Deep is the Water Table?
- 35. Interpreting a Hydrograph
- 36. Change Is All Around Us
- 43. Post-fire Survival of Bosque Trees

### ***Human History***

- 5. Scavenger Hunt
- 13. Changing River
- 34. Water Budget Activity
  - Acequia Culture (background information)
  - Activity
  - Number
- 36. Change Is All Around Us
- 37. Aldo Leopold
- 38. River Stories
- 39. Bosque Songs
  - Fire in the Bosque (background essay)

### ***Insects***

- 1. Bosque Search Bingo
- 3. Field Explorations Booklet
- 7. Crawly Creatures
- 8. Pitfall Trapping
- 9. Kick-net Kritters
- 11. Reading the Bosque
- 20. Bosque Leaf Hunt Relay
  - Appendix E: Arthropods

### ***Internet Skills***

- 24. WebQuest: Invasive Species
- 27. WebQuest: Geologic History
- 33. How Deep is the Water Table? (extension)
- 35. Interpreting a Hydrograph

### ***Journaling***

- 2. Bosque Discovery Booklet
- 3. Field Explorations Booklet
- 4. Naturalist Notebooks
- 44. Naturalist Notebooks: Fire
  - Service Learning



Activity  
Number

### ***Kinesthetic Activities***

20. Bosque Leaf Hunt Relay
23. Crane Migration
29. Rio Grande Bosque Water Cycle

### ***Mapping***

22. Mapping Species Richness
30. Surface Water Demonstration (Mapping Fun extension)
31. Watersheds in New Mexico
36. Change Is All Around Us

### ***Plants***

1. Bosque Search Bingo
2. Bosque Discovery Booklet
3. Field Explorations Booklet
4. Naturalist Notebooks
10. A Rose by Any Other Name
11. Reading the Bosque
12. Winter Bud Activity
13. Changing River
14. Cottonwood Creation
16. Who Grows Where?
19. The Web
20. Bosque Leaf Hunt Relay
24. WebQuest: Invasive Species
40. If You Owned a Bosque Ecosystem  
Fire in the Bosque (background essay)
42. A Spectrum of Fires
43. Post-fire Survival of Bosque Trees
44. Naturalist Notebooks: Fire  
Appendix H: Dichotomous Plant Key

### ***Reading***

13. Changing River (information cards)
15. Who Lives Where?
16. Who Grows Where?  
Geologic History of the Rio Grande Rift (background)  
Acequia Culture (background)  
Bird Migration in New Mexico
37. Aldo Leopold
45. Changing Fire (information cards)

### ***Schoolyard Activities***

6. Wildlife Detectives
7. Crawly Creatures
12. Winter Bud Activity
20. Bosque Leaf Hunt Relay
23. Crane Migration
29. Rio Grande Bosque Water Cycle
30. Surface Water Demonstration
32. Rio Grande Stream Table



### *Trees*

1. Bosque Search Bingo
  2. Bosque Discovery Booklet
  3. Field Explorations Booklet
  4. Naturalist Notebooks
  11. Reading the Bosque
  12. Winter Bud Activity
  14. Cottonwood Creation
  18. Bosque Chaos
  21. Cottonwood Quiz
  42. A Spectrum of Fires
  43. Post-fire Survival of Bosque Trees
  44. Naturalist Notebooks: Fire
- Appendix H: Dichotomous Plant Key

### *Upper Watershed/ Statewide Perspective*

1. Bosque Search Bingo
13. Changing River
15. Who Lives Where?
22. Mapping Species Richness
29. Rio Grande Bosque Water Cycle
30. Surface Water Demonstration
31. Watersheds of New Mexico
42. A Spectrum of Fires

### *Water*

9. Kick-net Kritters
13. Changing River
17. Working Water
18. Bosque Chaos
26. What is the Rio Grande Rift?
28. Porosity and Permeability
29. Rio Grande Bosque Water Cycle
30. Surface Water Demonstration
31. Watersheds in New Mexico
32. Rio Grande Stream Table
33. How Deep is the Water Table?
34. Water Budget Activity
35. Interpreting a Hydrograph
- Acequia Culture
37. Aldo Leopold



Activity  
Number

### *Wildlife*

1. Bosque Search Bingo
2. Bosque Discovery Booklet
3. Field Explorations Booklet
4. Naturalist Notebooks
6. Wildlife Detectives
11. Reading the Bosque
15. Who Lives Where?

### *The Web*

22. Mapping Species Richness
23. Crane Migration
40. If You Owned a Bosque Ecosystem