

# WOOD MAGIC

FOREST FAIR: 2018 ANNUAL REPORT





# ABOUT WOOD MAGIC

Wood Magic Forest Fair is a free, fun, forestry-fact-filled field trip and festival for fifth-graders. A four-hour program of forestry-related educational experiences and demonstrations, the fair combines hands-on activities with visually engaging presentations to teach children about the importance of forest lands to wildlife, the economy and our daily quality of life. The program is designed to enable fifth-graders from across the state to:

- Demonstrate awareness that our society depends on forests for many products we use every day and that these products improve our quality of life.
- Explain the difference between renewable and non-renewable natural resources and apply the reduce-reuse-recycle principles of conservation.
- Recognize that many different management techniques are required to insure long-term sustainability of our forests.
- Describe the many environmental, social, and economic benefits of our forests.



These goals are accomplished through a variety of 25-minute hands-on activities led by volunteers from numerous organizations. For a pictorial description of each of the six learning stations, please visit the Wood Magic web site at: [www.trees.sc.gov/wmfair.htm](http://www.trees.sc.gov/wmfair.htm).

## HISTORY

The South Carolina Wood Magic Forest Fair was first held Oct. 18-22, 1999 at Harbison State Forest in Columbia. The program has been an extreme success, with over 36,385 participants in the 19 years since it began. Demand for the program has always exceeded the capacity since its inception. In 2017, with funding provided by a Sustainable Forestry Initiative Community Grant, the program was revised to become a fifth-grade program. SFI Community Grant funding helped pay for new educational materials, signage, revisions to meet fifth-grade educational standards, and other associated costs to include an extra day of the program.

This year's Fair was scheduled at three locations: Piedmont Forestry Center in Tamassee, Harbison State Forest in Columbia, and Lynchess River County Park in Coward. Past programs have also been held at the SC Botanical Garden in Clemson, S.C. State University's Camp Daniels, Hobcaw Barony Discovery Center, and Sewee Environmental Education Center on the coast, as well as in-school programs in the Upstate during the 2003 school year.

The 2018 WMFF was coordinated by the S.C. Forestry Commission, and financed through donations and grants. Approximately 147 volunteers from the forestry community and other organizations came together this year to make this forestry education program successful.



“We thoroughly enjoyed the field trip!  
Educational and entertaining. Thank  
you so much!”

– Amy Stone  
*Pickens Elementary*





Each spring, every public and private school with a fifth grade that is registered with the State Board of Education is sent an invitation and application for the Wood Magic Forest Fair. Applications are scheduled during the summer on a first-come-first-served basis, with some consideration given to schools that have never attended, as well as previous records of attendance and participation.

### PARTICIPATION FOR 2018

<b>Location</b>	<b>Applications Received</b>	<b>Classes Applied</b>	<b>Classes Attending</b>	<b>Children Attending</b>	<b>Teachers &amp; Other Adults</b>	<b>Total Participants</b>
Piedmont	14	47	21	506	95	601
Harbison	36	135	41	653	107	760
Lynches River	14	53	20	512	96	608
<b>TOTALS:</b>	<b>64</b>	<b>235</b>	<b>82</b>	<b>1,671</b>	<b>298</b>	<b>1,969</b>

### PARTICIPATION SINCE 1999

<b>Location</b>	<b>Applications Received</b>	<b>Classes Attending</b>	<b>Children Attending</b>	<b>Teachers &amp; Other Adults</b>	<b>Total Participants</b>
Piedmont (2004-2010, 2012, 2014-16, 2018)	201	281	5,456	889	6,345
Upstate (in-school, 2003)	92	32	744	37	781
SC Botanical Garden (2002, 2017)	100	58	1,195	289	1,484
Camp Daniels (2001)	43	43	786	172	958
Harbison (1999-2011, 2013-18)	1,436	736	12,671	2,536	15,207
Sewee (2000-2010, 2013, 2017)	505	401	7,797	1,534	9,331
Hobcaw (2012, 2014, 2016)	42	69	1,295	213	1,508
Lynches River (2015, 2018)	26	68	860	173	1,033
<b>TOTALS:</b>	<b>2,445</b>	<b>1,610</b>	<b>30,804</b>	<b>5,843</b>	<b>36,647</b>

\*NOTE: In 2004 an improved system of taking applications only from schools, not individual teachers, began reducing the number of applications received. In 2010 applications were received for the Piedmont, Sewee and Harbison events, but only the Harbison event was held. In 2015 the Harbison event was canceled because of historic flooding in the Midlands.



### PIEDMONT FORESTRY CENTER

- Bob Jones Academy ..... Greenville
- Crestview Elementary ..... Greer
- Northside Elementary ..... Seneca
- Pickens Elementary ..... Pickens

- Southside Christian School ..... Simpsonville
- Tabernacle Christian School ..... Greenville
- West Pelzer Elementary ..... West Pelzer

### HARBISON STATE FOREST

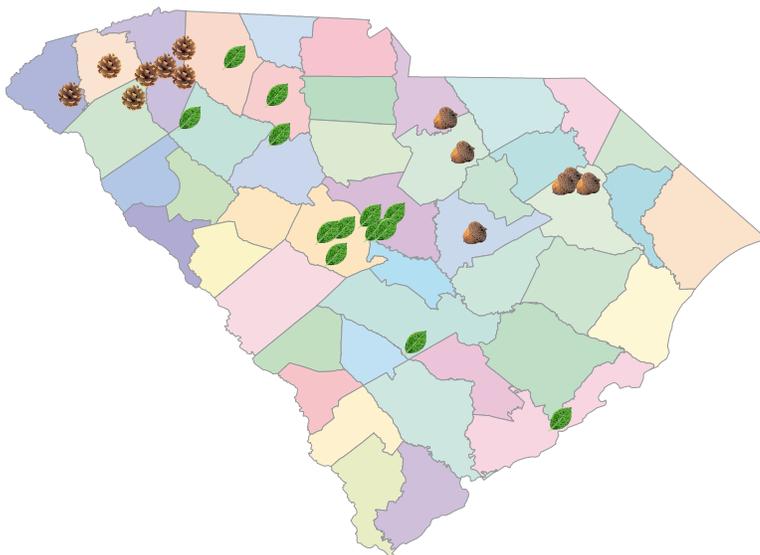
- Buffalo Elementary ..... Buffalo
- Covenant Classical Christian ..... Columbia
- Forts Pond Elementary ..... Pelion
- Heathwood Hall ..... Columbia
- Heritage Christian Academy ..... Lexington
- Hickory Tavern Elementary ..... Gray Court
- Lockett Elementary ..... Branchville

- Pleasant Hill Elementary ..... Lexington
- Sandhills School ..... Columbia
- Spartanburg Preparatory ..... Spartanburg
- St. Peter's Catholic ..... Columbia
- Trident Academy ..... Mount Pleasant
- Whitmire Community School ..... Whitmire

### LYNCHEs RIVER COUNTY PARK

- The King's Academy ..... Florence
- Kershaw Elementary ..... Kershaw
- Midway ..... Cassatt

- Millwood Elementary ..... Sumter
- Savannah Grove Elementary ..... Effingham
- Wallace Gregg Elementary ..... Florence



-  Schools attending at Piedmont Forestry Center
-  Schools attending at Harbison State Forest
-  Schools attending at Lynches River County Park



Thank you to the sponsors for allowing  
this to be a FREE learning experience!

I'm a teacher and I learned!

– Nicole Gardner  
*Blaney Elementary*



# KNOWLEDGE GAINED

Every year teachers are asked to administer a pre-test and a post-test for the children who attend Wood Magic. The following highlights of those test measures are a testament to the effectiveness of the program.

**+28  
PERCENTAGE  
POINTS**

*Students showed a significant gain in knowledge about forests in all of the major categories measured.*

*Overall, the students' scores increased from 55 percent on the pre-test to 83 percent on the post-test.*



Before the program, only 39% of the students understood that the U.S. has more forests today than it did 100 years ago. 79% knew this to be the case afterward.



87% of the students now recognize that more trees are planted each year in South Carolina than are harvested.



Before attending, 45% of the students thought that prescribed (controlled) fires were harmful to forests and wildlife habitat. Afterward, 91% of the students recognized that prescribed (controlled) fires are used to improve forests and wildlife habitat.



Beforehand, only 30% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 82% now recognize the environmental benefits of forests and believe this to be true.



91% of the students now recognize that trees are a renewable natural resource.



After attending the fair, 66% of the students understood the main reason to recycle paper is to save landfill space and reduce waste. Only 29% understood this beforehand.

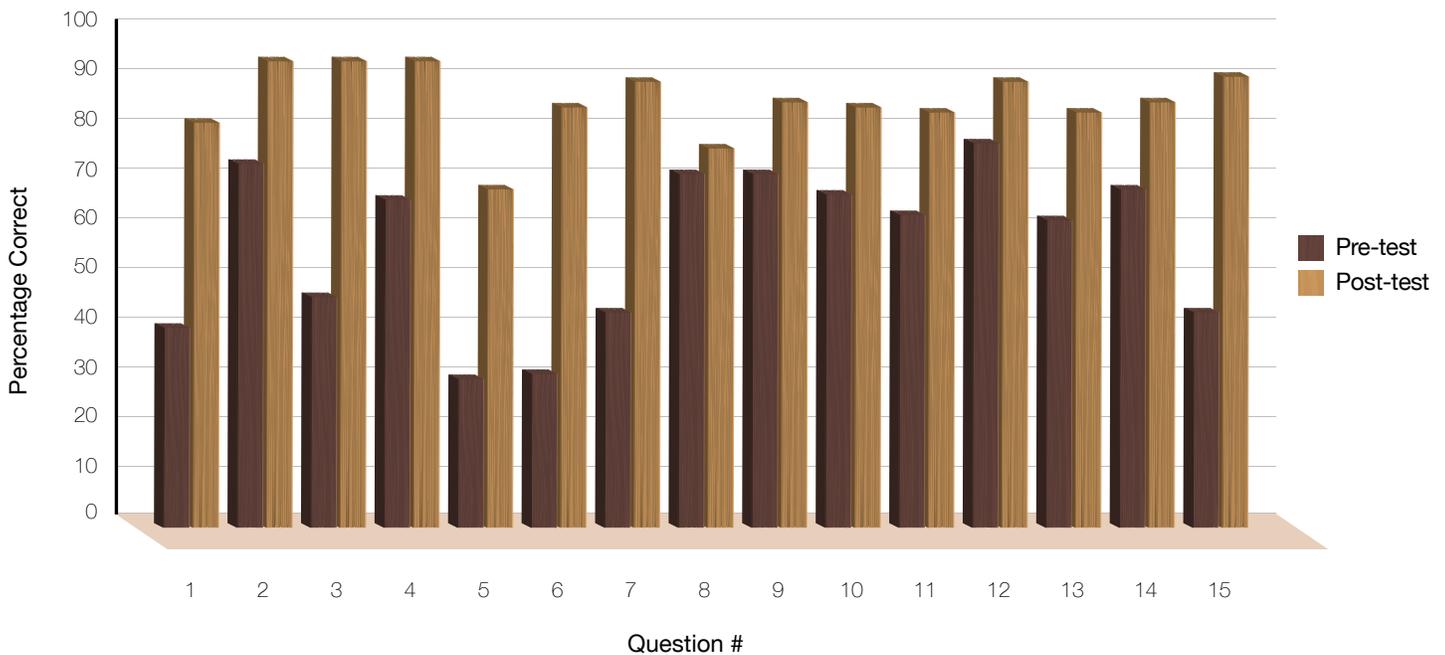


# TEST RESULTS

Question	Pre-Test	Post-Test	Emphasis Of Test Question
1	39%	79%	There are more forests today than 100 years ago.
2	71%	91%	Trees are a renewable natural resource.
3	45%	91%	Prescribed fire can be used to improve forests and wildlife habitat.
4	64%	91%	Every part of a log is used when brought into a sawmill. There is no waste.
5	29%	66%	The main reason to recycle paper is to save landfill space and reduce waste.
6	30%	82%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	42%	87%	In SC there are more trees planted than are harvested each year.
8	69%	74%	Forests clean the air and water we use.
9	69%	83%	Oil and gas are non-renewable natural resources.
10	65%	82%	Definition of: Natural Resources
11	61%	81%	Definition of: Renewable
12	75%	87%	Definition of: Non-Renewable
13	60%	81%	Definition of: Biodegradable
14	66%	83%	Definition of: Recycle
15	42%	88%	Student can list at least 10 items that they use daily that come from wood.

\* 1,412 student pre-tests were measured against 751 post-tests returned.

**2018 WMFF Test Results**





“I thought the program was fantastic and was perfectly aligned with the 5th grade science standards! Moving from station to station and the quality of the lessons were the most positive parts of the program. The presenters were all very knowledgeable about their areas.”

– Jennie Estridge  
*Kershaw Elementary*



# BUDGET

## INCOME

2017 Carry-over funds.....	\$16,937.81
2018 SC SFI Implementation Committee Funds .....	\$10,500.00
2018 International Paper Foundation Grant .....	\$5,000.00
2018 Georgia-Pacific, LLC .....	\$4,991.00
2018 SFI Community Grant .....	\$2,055.00
SC Tree Farm Committee .....	\$500.00
South Carolina SAF .....	\$300.00
<b>Total Income .....</b>	<b>\$40,283.81</b>

## EXPENSES

Food.....	\$5,829.08
T-shirts .....	\$4,081.47
2018 Georgia-Pacific Foundation Grant (20' x 20' tent) .....	\$4,032.00
Tent/Chair/Table/Portable Toilet Rentals .....	\$3,311.93
2018 SFI Community Grant .....	\$1,111.34
Office supplies, Misc. ....	\$837.15
Postage/Mail Service/Publicity .....	\$518.50
Insurance .....	\$492.90
Travel/Lodging.....	\$274.88
<b>Total Expenses .....</b>	<b>\$20,489.25</b>

**BALANCE .....** **\$19,794.56**

**IN-KIND CONTRIBUTION .....** **\$73,730.76**

Funds for the 2018 Wood Magic Forest Fair were provided through grants from the following organizations:



SC TREE FARM COMMITTEE



**Georgia-Pacific**  
Making Life's Simple Necessities:  
GEORGIA-PACIFIC CORPORATION



SUSTAINABLE FORESTRY INITIATIVE  
SFI (SOFI)  
SUSTAINABLE FORESTRY INITIATIVE



APPALACHIAN  
SOCIETY OF AMERICAN FORESTERS  
1900  
Virginia  
North Carolina • South Carolina



INTERNATIONAL PAPER



SOUTH CAROLINA  
SC SUSTAINABLE FORESTRY INITIATIVE IMPLEMENTATION COMMITTEE



SOUTH CAROLINA DIVISION, APPALACHIAN SOCIETY OF AMERICAN FORESTERS



# CONTRIBUTORS

South Carolina's Wood Magic Forest Fair is jointly sponsored by the Forestry Association of SC and SC Forestry Commission. Special thanks to the following organizations that provided monetary support of \$3,000 or greater.

Georgia-Pacific Foundation  
SC SFI Implementation Committee

International Paper Foundation  
Sustainable Forestry Initiative, Inc.

Special thanks to the following organizations that provided financial support and/or in-kind services (personnel, equipment, and supplies).

Anderson College  
Belle W. Baruch Foundation  
Blanchard Machinery  
Blue Ridge Electric Cooperative  
Calvary Home for Children  
Canfor Southern Pine  
Central Carolina Technical College  
Clemson Extension  
Clemson Master Naturalist  
Cloninger Forestry  
Collum's Lumber Products LLC  
Domtar Paper Company LLC  
Florence County Parks & Recreation Department  
Foothills Forest Products  
Forestry Association of SC  
Georgia-Pacific  
Interfor - Georgetown Division  
International Paper  
KapStone Charleston Kraft, LLC  
Lexington County Solid Waste  
Lynches River County Park  
Rayonier  
Resource Management Service  
Roy's Wood Products  
Santee Cooper  
SC Forestry Commission  
SC Society of American Foresters  
SC Timber Producers Association  
SC Tree Farm Committee

Sonoco Recycling  
Straka and Straka Consulting Foresters  
Sustainable Forestry Initiative, Inc.  
Trenton Correctional Facility – SC Department of Corrections  
True North Forestry, LLC  
US Fish & Wildlife Service  
USC Union  
USDA Forest Service  
USDA Natural Resource Conservation Service  
WestRock  
White Oak Forest Management  
White Wood Inc.  
Whitetail Environmental, LLC  
Wood's Body Shop





“Wood Magic Forest Fair was a fantastic field trip. My students enjoyed it and learned so much. They all had to do an informational writing about what they learned. We have put a recycling bin in our room too!”

– Cami Armburst  
*Kershaw Elementary*



The success of South Carolina’s Wood Magic Forest Fair can be attributed to the dedication, technical competence and hard work of the 147 volunteers:

- |   |  |
|---|--|
| Derek Adams..... SCFC                                     | Jennie Cundiff..... Resource Management Service        |
| Katie Altman..... Clemson Extension                       | Dale Curry ..... SCFC                                  |
| Caroline Altman..... SCFC                                 | Mallory Dailey ..... Clemson Extension                 |
| David Bagwell ..... SCFC                                  | Jessica Daniel..... Central Carolina Technical College |
| Brad Bailey..... Canfor Southern Pine                     | Carolyn Dawson ..... Clemson Extension                 |
| Bruce Ballentine ..... SCFC                               | Madison Dominick ..... SCFC                            |
| Jon Barker ..... SCFC                                     | James Douglas..... SCFC                                |
| Krysta Barry..... Resource Management Service             | Jason Duck ..... SCFC                                  |
| Ryan Bean..... Clemson Extension                          | Lois Edwards..... SCFC                                 |
| Joseph Becker ..... USFS                                  | Eleanor Ellison ..... Master Naturalist                |
| Louis Beer ..... USFS                                     | Jeff Fellers ..... Clemson Extension                   |
| Jim Bland ..... White Oak Forest Management               | Beth Foley..... SCFC                                   |
| Dana Bloome ..... International Paper                     | Chase Folk..... SCFC                                   |
| Cheryl Boulware ..... USFS                                | Chet Foyle ..... SCFC                                  |
| Vickie Boyd ..... Master Naturalist                       | Nathan Gambrell ..... SCFC                             |
| Brad Bramlett..... SCFC                                   | Jeremy Gantt..... SCFC                                 |
| Tom Brant..... Clemson Extension                          | Susan Gensel..... SCFC                                 |
| Vikki Brock..... Foothills Forest Products                | Matt Gilstrap..... SCFC                                |
| Susan Brogdon ..... SCFC                                  | Travis Green..... Foothills Forest Products            |
| Eric Brown ..... SCFC                                     | William Green..... SCFC                                |
| Jarrold Brucke ..... SCFC                                 | Lynn Greenway..... Foothills Forest Products           |
| James Brunson..... SCFC                                   | Tyler Greiner ..... SCFC                               |
| Betsy Burke ..... USFS                                    | Curt Gwinn..... SCFC                                   |
| Jonathan Calore ..... SCFC                                | Chuck Harrell ..... Resource Management Services       |
| Isaac Case ..... SCFC                                     | Nathan Harrington ..... Interfor                       |
| Ray Cassell..... SCFC                                     | Jesse Harris..... USFS                                 |
| Josh Castleberry ..... Central Carolina Technical College | Gary Hermann ..... Retired                             |
| Roy Cloninger..... Cloninger Forestry                     | Jane Hiller ..... Sonoco Recycling                     |
| Gwyn Cloninger..... SCFC                                  | Ken Hodge..... SCFC                                    |
| Terry Cook..... SCFC                                      | Justin Holt ..... SCFC                                 |
| Clay Cooper..... SCFC                                     | Ron Holt ..... SCFC                                    |
| Bart Copeland..... Collum’s Lumber Products LLC           | Joe Horne ..... Duke Energy                            |
| Trey Cox ..... SCFC                                       | Retha Horne ..... Lynchess River County Park           |
| Randy Culbreth ..... SCFC                                 | Russell Hubright ..... SCFC                            |

Henry Hutto .....	SCFC	T.J. Savereno .....	Clemson Extension
Karen Jackson .....	Clemson Extension	GraceAnna Schilz .....	SCFC
David Jenkins .....	SCFC	Matt Schnabel.....	SCFC
Jay Johnson.....	SCFC	Jason Selin.....	USFS
Michelle Johnson.....	SCFC	Ed Siggelko .....	Master Naturalist
Brad Jones .....	SCFC	Derek Smith .....	SCFC
Jaime Jones .....	SCFC	Jamie Smith.....	SCFC
Matt Krawiec .....	Domtar Paper Company LLC	Eric Smith .....	WestRock
Joey Lemmon .....	SCFC	Jane Smith.....	WestRock
Jane Leneave .....	SCFC	Gretchen Spaulding .....	SCFC
Terasa Lott .....	Clemson Extension	Vaughan Spearman .....	SCFC
T.J. Lyell .....	WestRock	Daniel Spears .....	SCFC
Randy Lyles .....	SCFC	Sam St. Louis .....	SCFC
Sara Marcengill.....	Clemson Extension	Ruby Stathers.....	USFS
George Martin .....	SCFC	Janet Steele.....	Forestry Association of SC
Randy McCoy.....	USFS	Jenna Stephens.....	Master Naturalist
John McGee.....	SCFC	Tom Stephens .....	Georgia-Pacific
Michael McGill .....	SCFC	Pat Straka .....	Straka & Straka Consulting Foresters
Stephanie Meetze.....	SCFC	Kendra Sultzer .....	Whitetail Environmental, LLC
Patricia Midgett.....	USFWS - Cape Romain NWR	Janine Sutter.....	Clemson Extension
Sharon Miller .....	Retired	Sarah Talley .....	USFS
Trip Miller.....	SCFC	Kip Terry .....	SCFC
Doug Mills.....	SCFC	Sharna Tolfree .....	Whitetail Environmental, LLC
Trent Moore.....	Interfor - Georgetown Division	Faith Truesdale.....	Clemson Extension
Lee Morris.....	USC Union	Ross Walters .....	Anderson College
Mary Morrison .....	USFS	Carole Walters.....	Calvary Home for Children
David Myers.....	Rayonier	David Watford.....	Resource Management Service
Roger Nesbitt .....	SCFC	Colton Webb .....	SCFC
Mike Ney.....	SCFC	Michael Weeks .....	SCFC
Victoria O’Cain .....	SCFC	Elamon White .....	USFS
Wade O’Kelley.....	White Wood, Inc.	Danny Whitner .....	Canfor Southern Pine
David Owen .....	SCFC	Allison Williams .....	USFS
Bobbi Oxford .....	AnMed Health Cannon Hospital	Nelson Wilson .....	SCFC
Brain Parnell .....	SCFC	Doug Wood.....	SCFC
Ronnie Patterson.....	SCFC	Jonathan York.....	SCFC
Stephen Patterson .....	SCFC		
Adam Powell .....	SCFC		
Kayla Pratt.....	USFS		
Soni Rai .....	SCFC		
Phil Reddick.....	SCFC		
Jeff Riffin.....	SCFC		
James Robins.....	SCFC		
Sarah Rogers.....	Clemson Extension		
Traude Sander .....	Lexington County Solid Waste		



## CONTRIBUTIONS OF PERSONNEL

<b>Contributor</b>	<b># Personnel</b>	<b>% Personnel</b>	<b># Man Hours</b>	<b>% Man Hours</b>
SC Forestry Commission	79	54%	1,606	64%
Federal Government	14	10%	172	7%
Other Government Agencies	17	11%	255	10%
Private Sector	30	20%	403	16%
Volunteers	7	5%	68	3%
<b>TOTALS:</b>	<b>147</b>	<b>100%</b>	<b>2,504</b>	<b>100%</b>

## STEERING COMMITTEE

The Wood Magic Forest Fair Steering Committee is made up of volunteers from the forest industry, state and federal agencies, and private foundations who help oversee and organize the program.

Pam Baltimore .....	US Forest Service	Patricia Midgett.....	US Fish & Wildlife Service
Ryan Bean.....	Clemson Extension	Trent Moore (Chair) .....	Interfor – Georgetown Division
Sabrenna Bryant .....	USDA NRCS	Jay Phillips.....	Resource Management Service
George Chastain .....	Belle W. Baruch Foundation	Stephen Pohlman.....	Clemson Extension
Beth Foley.....	SC Forestry Commission	Matt Schnabel.....	SC Forestry Commission
Deidra Holt.....	International Paper	Eric Smith .....	WestRock
Russell Hubright .....	SC Forestry Commission	Janet Steele.....	SC Forestry Association
Crad Jaynes.....	SC Timber Producers Assn.	John Thurmes .....	WestRock



“  
**Best Field  
 trip ever!**  
 Our kids are  
 still talking  
 about it.”

– Bridgett Nix  
*Buffalo Elementary*



Ella

Roberts

nden Elementary  
School