



# BEAUFORT CONSERVATION NEWS

Beaufort Soil and Water Conservation District 155 Airport Road Washington, NC  
Newsletter April 2023 - June 2023

**WATER the Cycle of Life**

**Water...the Cycle of Life**

**WATER... THE CYCLE OF LIFE**

**BEAUFORT SOIL & WATER CONSERVATION DISTRICT**

**Water...the Cycle of Life**

**2023**

**Water...the Cycle of Life**

**WATER THE CYCLE OF LIFE**

**WATER... the Cycle of Life**

Heat from the sun causes evaporation. Condensation happens when water vapor turns back to liquid. The sun's heat causes water to evaporate. Condensation happens when water vapor turns back to liquid. The sun's heat causes water to evaporate. Condensation happens when water vapor turns back to liquid.

Affects of Storm Run-Off

How Can We Help?

Precipitation is not always clean water. When precipitation is not cleaned up by the soil and plants, it creates runoff. North Carolina has over 46,000 farms and 34 million acres used for agriculture.

How can farmers help?

They can choose chemicals.

They can use ditches and canals to collect runoff water.

They can pour water down as coopers around fans.

Water...the Cycle of Life

**WATER... the Cycle of Life**

**THE PROBLEM**

**MY EXPERIMENT**

**BEST MANAGEMENT PRACTICES**

**THE RESULTS**

**Water... The Cycle of Life**

**WATER ... the Cycle of Life**

**... the Cycle of Life**

Evaporation

Condensation

Precipitation

Transpiration

Run Off

Infiltration

What is erosion?

NO TILL

Conservation

Ocean

Best Management Practice



# PROGRAM NEWS



## ***Agriculture Cost Share Program (ACSP) Agricultural Water Resources Assistance Program (AgWRAP) Community Conservation Assistance Program (CCAP)***

*The Beaufort Soil and Water Conservation District anticipates receiving cost share program allocations for the Agriculture Cost Share Program (ACSP), the Agricultural Water Resources Assistance Program (AgWRAP), and the Community Conservation Assistance Program (CCAP) from the Soil and Water Conservation Commission in July. These funds will be available to assist farmers and landowners with the installation of best management practices that will decrease the amount of sediment, nutrients, nitrogen, phosphorus, chemicals, and other pollutants entering the surface and ground waters of the state. Best management practices through AgWRAP will help increase water use efficiency, availability, and storage in addition to conserving and protecting water resources.*

*For Program Year 2024, that begins on July 1, 2023, farmers, landowners, and operators may apply for cost share assistance to install conservation practices such as residue and tillage management, precision nutrient management, precision agrichemical application, cover crops, land smoothing, water control structures, agricultural pond restoration/repair/sediment removal, lagoon closures, rain gardens irrigation wells, well closures, and agricultural water supply ponds.*



**Water Control Structure  
Land Smoothing  
Cover Crop**



## 2023 Poster and Essay Contests

### *Beaufort Soil and Water Conservation District Announces District, Area, and State Contest Winners*

*“Water...the Cycle of Life” was the theme for the 2023 poster and essay contests sponsored by the Beaufort Soil and Water Conservation District. The poster contest was open to all students in 3rd-5th grades in the county. The essay contest was for 6th graders only. There were 66 total entries this year. Area schools submitting posters and/or essays were John Small School, Pungo Christian Academy, Northeast, and Unity Christian Academy.*

*The competition starts at the county level. First, second, and third place winners receive cash prizes. Teachers who have first place student winners also receive cash prizes. First place winners in the Beaufort County competition advance to Area 5, where they compete with other Soil and Water Conservation Districts in sixteen eastern NC counties. Area 5 first place winners advance to the North Carolina Division of Soil and Water Conservation State competition in Raleigh, where they compete with other first place Area entries submitted from across the state of North Carolina.*

*After receiving first place in the 4th grade county poster competition, Michael Crider, a student at Pungo Christian Academy, received first place and a cash prize in the Area 5 competition, and first place and a \$200 check in the state competition.*

*Debbie Boyd, Education Coordinator with the Beaufort Soil and Water Conservation District, presented ribbons and cash prizes to the winners at an awards ceremony held in May. “We really appreciate the schools, teachers, and students for promoting soil and water education through our contests each year. We are proud to say this is the fourth year in a row that Beaufort County has had STATE poster and/or essay winners. We look forward to next year’s contest!”*

*The 2024 contest theme will be “The Living Soil.”*



## **CONTEST WINNERS** *PICTURED WITH THEIR RIBBONS, AWARDS AND POSTER COPIES*

*Front row, left to right:  
Brayden Capehart and Corbin Paul*

*Middle row, left to right:  
Ryan Bradbury, Jacob Braxton,  
Jimmy Moore, and Zoey Robinson*

*Back row, left to right:  
Teachers  
Angie Kolibabek (Unity Christian)  
and Susan Knox (Pungo Christian)*

*Not pictured:  
Michael Crider, Eric Coward,  
and Colin Crocker*



# EDUCATION NEWS



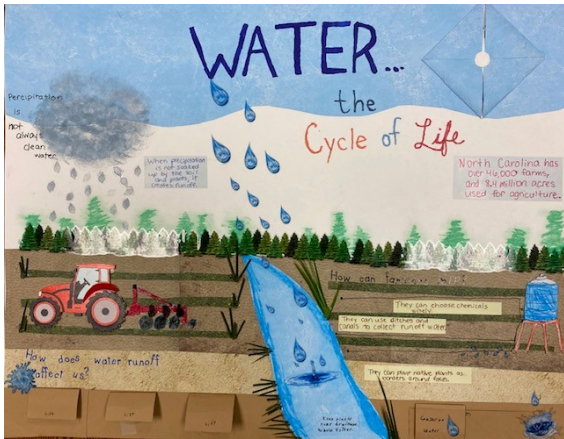
## 4th Grade Poster Contest Winners



**Michael Crider**

1st Place District, Area 5,  
and STATE

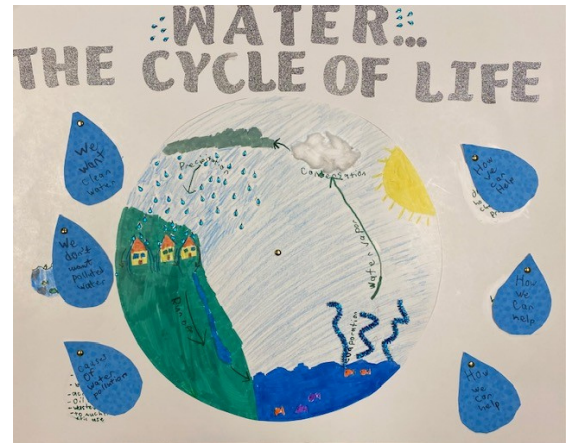
Pungo Christian Academy  
Teacher: Susan Knox



**Corbin Paul**

2nd Place District

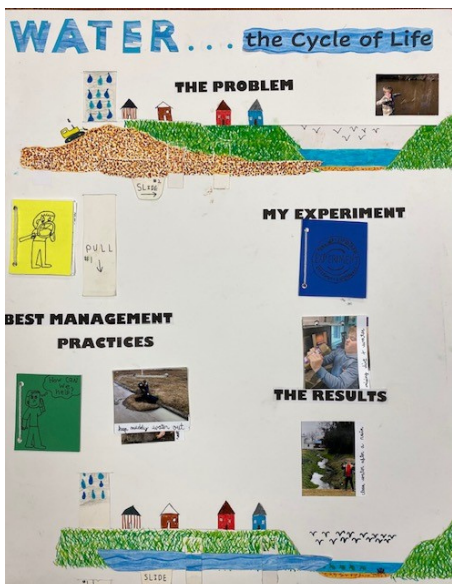
Pungo Christian Academy  
Teacher: Susan Knox



**Brayden Capehart**

3rd Place District

Pungo Christian Academy  
Teacher: Susan Knox



### 4th Grade Honorable Mention Posters

Tyler Kapperich, Knox Gurganus, Topper  
Boyd, Koen Toppin, Ellie Swindell

Pungo Christian Academy  
Teacher: Susan Knox





# EDUCATION NEWS

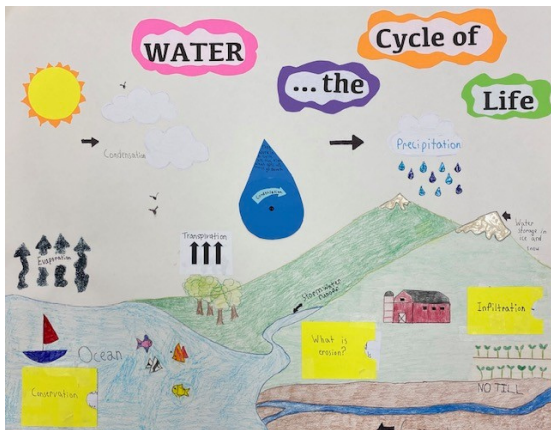
## 5th Grade Poster Contest Winners



**Ryan Bradbury**

1st Place District  
2nd Place Area 5

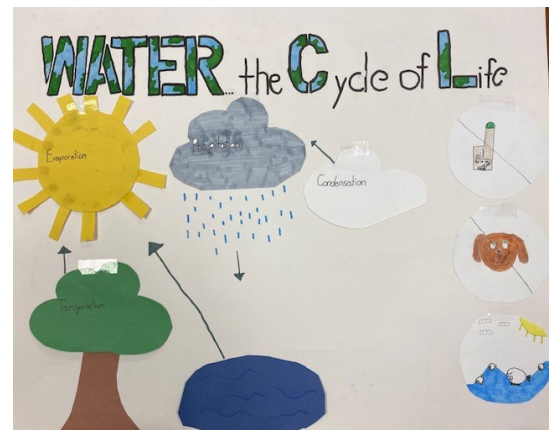
Unity Christian Academy  
Teacher: Angie Kolibabek



**Zoey Robinson**

2nd Place District

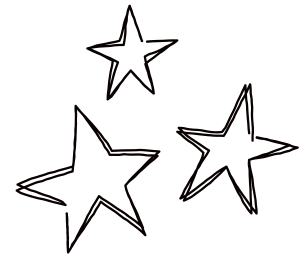
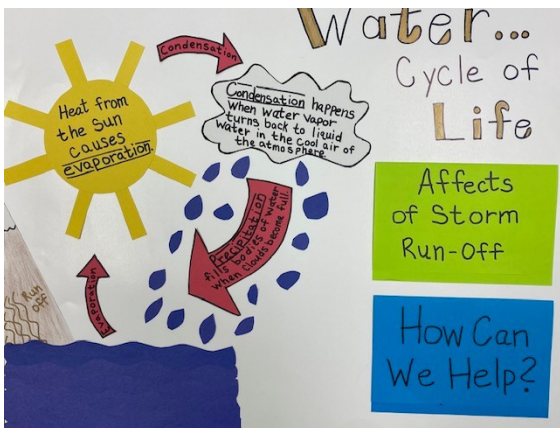
Unity Christian Academy  
Teacher: Angie Kolibabek



**Eric Coward**

3rd Place District

Unity Christian Academy  
Teacher: Angie Kolibabek



### 5th Grade Honorable Mention Posters

Carly Rose, Brennen Crocker, Harper Smith,  
Jackson Evans, Kaleb Potter, Eliana Berry,  
and Michelle Morales

TEACHERS:  
Unity Christian Academy-Angie Kolibabek  
Northeast-Kathy Brinn (Art)  
John Small-Lisa Moore (Art)





# EDUCATION NEWS



## 6th Grade Essay Contest Winners



### Colin Crocker

1st Place District  
1st Place Area 5

Unity Christian Academy  
Teacher: Angie Kolibabek



#### Water...the Cycle of Life

Have you ever been to the Pamlico River? It is an amazing place, and it has a wide variety of marine life. It is a great place to see God's beautiful creation! It is also a great place to learn about our water ways. I love to learn about our water because it helps me learn about how I can do my part to benefit our environment.

As much as I try to help our water ways, I still hurt it. Storm water runoff is one of the main reasons our waters are polluted. Storm water runoff is rain that picks up all kinds of waste and pollutants, and it carries them to nearby bodies of water. I noticed that every time I take my dog Riggs outside, I could be contributing to storm water runoff. Pet waste is just one of the ways we can affect our water ways. Other things that can affect our water ways are litter and natural pollutants such as leaves, garden clippings, and of course animal waste. Chemical pollution is also a big factor. It can carry garden fertilizers, oil, and detergents. When it rains, all these pollutants go into our waters and make them unclean.

We can help by being good stewards of our Earth and cleaning up after ourselves. My family has stopped storm water runoff by setting up a rain barrel under our gutter to stop pollutants from getting to our water ways. I have seen many people use bags to clean up pet waste at the waterfront, so animal waste does not wash into our water ways. Another good management practice is to maintain your automobile. I was in an accident and there were many gasoline leaks and broken car parts. The clean up crew came behind us and cleaned up the liquid and debris so it would not become pollutants in our water ways. There are many other ways we can prevent storm water runoff and with everyone's help, we can keep our waters clean!

We live in an amazing place, and God has called us to take care of His creation. We must do our part to help our environment and take care of the planet in which we have been blessed to live on. We cannot be careless and hurt our environment. My hope is that everyone will find some way to pitch in and do their part to keep our waters clean!

### Jacob Braxton

2nd Place District

Unity Christian Academy  
Teacher: Angie Kolibabek



#### Water...the Cycle of Life

When we were put upon this earth, we were given the command to steward it. If no one does anything to preserve the planet, things may slowly fall apart. Stormwater runoff can be a significant problem. If litter, trash, or anything that can contaminate the water gets into it, that trash will carry along into large bodies of water. This can cause serious pollution in the environment.

Structures we build could cause issues with stormwater runoff. Those block water from absorbing into the ground and don't allow nutrients to get to plants. This can then affect animals as well. Without plants to eat, some animals will starve. Therefore taking away our source of food as well.

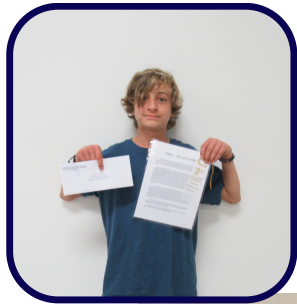
Outside my house, I have lots of rocks that cover the ground. So, about every time a serious rainstorm comes through, puddles of water are spread across the slopes of the land. Leaving us no choice but to create drains. Though it may seem like just a little bit of water, it's more than that. It's a flood in the making!

Let's say I'm going fishing. I walk down to the nearby pond. I cast my line and wait. I've been there for a while, and I'm thinking about calling it a day. Right as I'm packing up, I look and see a fish upside down and not moving. "What is going on," I question. I see even more fish. They look the same way as the others. "No wonder I didn't get a bite," I exclaim. This is an effect of stormwater runoff. Toxic waste carried along down into the pond and intoxicated the water, slowly killing all of the fish.

Remembering the point I made earlier, this can eliminate our food sources, and force us to grow our own food. Now don't think just because I say that you can just grow food, it's not worth it to still stop this problem. Stormwater runoff can kill your plants as well. It can remove a lot of our vital resources in life.

Considering all I have said, this is not an issue to take lightly. How do we solve the problem? Here is my theory: **do not litter**. This is a huge factor. If you leave waste and trash in the environment, leftover stormwater can push this into the ocean or other large bodies of water, and maybe cause the effect I mentioned earlier. Toxic chemicals are another serious waste that needs to be taken care of and kept in a contained place. There are lots of ways to prevent the effects of stormwater runoff, but in my opinion, this is the best and most substantial way to prevent it. I recommend you follow this Best Management Practice.

To be a good steward to God, we need to protect our planet. It may take a lot, but I believe we can make a difference. Take all these things into consideration, and good luck in your journey of making the world a better place.



### Jimmy Moore

3rd Place District

Unity Christian Academy  
Teacher: Angie Kolibabek

#### Water... the cycle of life

The water cycle is the cycle of processes by which water circulates between the earth's oceans, atmosphere, and land. It involves precipitation such as rain and snow, and drainage in streams and rivers. It returns to the atmosphere by evaporation and transpiration. When rainfall and snowmelt flows rapidly over the land into our lakes, rivers, and estuaries stormwater runoff occurs.

Stormwater runoff most often occurs in areas with large amounts of impervious or non-porous surfaces. Stormwater picks up all the pollutants along its pathway. This is referred to as "polluted runoff". These pollutants can cause problems in very small amounts. Pollutants may include antifreeze, grease, oil, fertilizers, pesticides, and other chemicals from gardens, homes, and businesses. When not managed properly, stormwater can flood and damage homes and businesses, flood septic system drainfields, erode stream channels, and damage or destroy fish and wildlife habitat. When less water soaks into the ground drinking water supplies are not replenished and streams and wetlands are not recharged. This may lead to inadequate stream flows for fish and water shortages. Uncontrolled stormwater runoff has many cumulative impacts on the environment and humans. These included flooding, eroded streambanks, widened stream channels, aesthetics, impaired aquatic life, and increased cost of water and wastewater treatment.

Our local water and rivers have suffered from polluted runoff. Nutrient related pollution has created water quality problems in the Pamlico estuary since the 1980s. Excess amounts of nutrients have caused problems such as low oxygen levels, extensive fish kills, and harmful algal blooms. North Carolina responded by developing the Tar-Pamlico nutrient strategy, a set of rules designed to equitably regulate sources of nutrient pollution in the basin including wastewater, stormwater, and agricultural nutrient sources. The rules also protect riparian buffers and mandate training for professionals that apply fertilizer. These rules went into effect in 2000-2001. They seek to reduce nitrogen levels in the estuary by 30%, and cap phosphorus levels at 1991.

Just a few of the ways individuals can manage stormwater runoff is by adding plants where runoff collects, choosing permeable material for paths, patios and driveways and installing a rain barrel to catch stormwater runoff.

While stormwater runoff can cause problems to our water quality and environment individuals and communities can work to lessen its effects.

### 6th Grade Honorable Mention Essay

Alexia Burroughs

Unity Christian Academy-Angie Kolibabek





# EDUCATION NEWS



## Resource Conservation Workshop (RCW)

*Soil and Water Conservation District Boards across the state chose students to participate in the Resource Conservation Workshop. The workshop is based on demonstrated conservation interests. Four days of resource topics are taught by an innumerable number of resource professionals and NC State University staff. Students also receive information and insight into careers in natural resource management throughout the week. The fifth day culminates the classroom and field sessions where a written exam is conducted.*

*The Resource Conservation Workshop is made possible by various organizations including North Carolina State University, Division of Soil and Water Conservation, Soil and Water District Staff and Supervisors across the state of North Carolina, the North Carolina District Employees Association, and the North Carolina Association of Soil and Water Conservation Districts.*

***Current freshmen, sophomores or juniors who are interested in attending the 2024 Resource Conservation Workshop in June may contact the Beaufort Soil and Water Conservation District's Office at 946-4989, Ext. 3.***



## Stewardship Week

*The Beaufort Soil and Water Conservation District wants to remind you that each of us has a connection to natural resources. The National Association of Conservation Districts (NACD) celebrated the 68th year of Stewardship Week April 30–May 7, 2023. The 2023 Stewardship Week was themed "One Water."*

*During the year, the Beaufort Soil and Water Conservation District promotes stewardship through our various education programs. "One Water" placemats were distributed during Stewardship Week.*

*The Beaufort Soil and Water Conservation District is a member of the National Association of Conservation Districts (NACD) which oversees the Stewardship Week program. Stewardship Week is one of the largest national annual programs to promote conservation.*





*Board Meetings are open to the public and are held  
the 3rd Monday of each month, except  
July and August, at 5:30 p.m. in the office of the:*

*Beaufort Soil and Water Conservation District  
Beaufort County Agricultural Center  
155 Airport Road  
Washington, NC 27889*

## **Board of Supervisors**



**James Allen**  
(Board Chairman)



**Tracy Warren**  
(Board Vice Chairman)



**Sid Cayton**  
(Board Supervisor)



**Archie Griffin**  
(Board Secretary)



**Wayne Black**  
(Board Supervisor)

### *District Staff*

*Ann Williams*  
*Office Manager*

*Nathaniel Woolard*  
*District Resource Conservation Specialist*

*Debbie Boyd*  
*Education Coordinator*

### *USDA-NRCS*

*Kyle Gentry*  
*Team 14*  
*Supervisory Soil Conservationist*

*Anthony Hester*  
*Soil Conservation Technician*

*Soil and Water...Yours for Life*

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