

**CMSWS**  
**Educational**  
**Opportunities:**  
**High School**



# Who we are

Charlotte-Mecklenburg Storm Water Services (CMSWS) is a joint City/County utility to manage the runoff from rainfall, reduce flooding, restore floodplains and protect the water quality of surface waters county-wide.

One way that we do this is by providing **FREE** educational presentations to students. This year we are providing virtual options for all of our programs. Please contact us if you have any questions!



Sharnelle G. Currence



Ken Friday



Taylor Mebane



Ashley Smith



# Educational Offerings:

We can provide any of the below presentations in-person or virtually. If virtual, we ask that the teacher creates the event in whatever platform their classroom is utilizing (Zoom, Google, Skype, etc.) and invite our staff member to attend the meeting. Pages four outline NCDPI Standards that we can cover. See the contact information on page five to set up a presentation.

## Benthic Macroinvertebrates

This activity can be sent to your class beforehand or done in the class. Students will work separately or in small groups to identify benthic macroinvertebrates, or bugs. Next students will use these bugs to perform a habitat assessment on their given watershed to tell them about the water quality. Our staff will then go over the results and discuss how we use this same method when we are out monitoring our streams..

## Career Talk

Our staff will give an introduction to CMSWS and what we do. Then students will watch a video we have prepared that shows our staff in the field and what their day-to-day routine will look like. After watching the video, our staff will answer questions .

## Volunteer Opportunities

Are your students looking for an extra credit activity, volunteer hours, or maybe just a classroom competition? Students can monitor a stream, label storm drains that remind people the drain is only for rain, or perform a litter pickup. Students can do activities on their own, with family, or friends, or they can attend one of our volunteer activities hosted the second Saturday or last Thursday of every month. More info can be found on our website ([StormWater.CharMeck.org](http://StormWater.CharMeck.org)).

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# Applicable NCDPI Standards

## Earth & Environmental Science

- EEn.2.2 Understand how human influences impact the lithosphere.
- EEn.2.2.1 Explain the consequences of human activities on the lithosphere (such as mining, deforestation, agriculture, overgrazing, urbanization, and land use) past and present.
- EEn.2.4 Evaluate how humans use water.
- EEn.2.4.1 Evaluate human influences on freshwater availability.
- EEn.2.4.2 Evaluate human influences on water quality in North Carolina's river basins, wetlands and tidal environments.
- EEn.2.7.3 Explain how human activities impact the biosphere.
- EEn.2.8.3 Explain the effects of uncontrolled population growth on the Earth's resources.

# We look forward to educating your students!



All programs can be customized for you class. Please let us know specific vocabulary terms you would like for us to incorporate. Don't see a program specific to your needs? Contact us and we will work with you.

## Contact Info

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