

5<sup>th</sup> Grade  
Storm Water Design; Quality and Quantity Control

Guest Speaker: Marty Beal  
CBSA Architects, Hickory NC

Prior to the guest speaker coming to the school students will be introduced to storm water by their teachers.

Teachers will use the following article as an introduction.

<http://www.epa.gov/weatherchannel/stormwater.html>

The article discusses storm water.

Topics that will be discussed by the guest speaker include:

- 1) What are the human impacts on storm water?
- 2) Why collect storm water? Where is it collected at Snow Creek?
- 3) Once the water is collected, where does it go? Do we re-use it?
- 4) What potential does storm water have in the collection basin on the Snow Creek Elementary Campus?
- 5) Why are there plants in the drainage/collection basin? What purpose does the basin serve?
- 6) Does the roof and gutter serve a purpose to control storm water?
- 7) Does the parking lot serve a purpose to move storm water in a certain direction?

Upon completion of discussion with the guest speaker students will travel to the Collection Basin and sketch what they see. They will then walk around campus to look for the drains from parking lots. Teachers will discuss their (human) impact on the land as well as the building's impact on the land and the purpose for maintaining healthy storm water.