

4th Grade
Guest Lecture Series

Electrical Design and Energy Efficiency at Snow Creek

Guest Presenter: Marty Beal
CBSA Architects, Hickory, NC

Prior to the guest lecture for the 4th grade class, teachers will read with students the following article; http://www.wbdg.org/design/minimize_consumption.php .

The guest lecturer will discuss with students the following high performance functions/ of Snow Creek Elementary School:

1. The specific efficient HVAC systems at Snow Creek and how they are part of the electrical system and monitored for performance.
2. The specifics of the efficient lighting systems at Snow Creek and how they are monitored for performance.
3. High efficiency energy sources that could be possible alternatives for Snow Creek's future.
4. How Snow Creek optimizes building performance and system control strategies.

Following the guest lecture students will be required to meet in small groups and discuss one part of the energy efficient design with their group. Groups will present their thoughts and or questions.