Henley Middle School's Renewable Energy Resource Center

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Henley Middle School received grant funding from the Virginia Department of Mines, Minerals and Energy to build a Renewable Energy Resource Center. The Renewable Energy Resource Center is located in Crozet, Virginia and is part of the Albemarle County Public School Division. The Center includes a 42 kW solar photovoltaic array, a solar thermal system providing approximately 60 percent of the school's hot water, and a Skystream 3.7 wind turbine. The school community worked for almost two years to raise money through bakes sales, art auctions, and golf tournaments for the solar thermal system. These funds were used as cost share funds for the grant. A dedication event was held in December 2011, and all systems were up and running in mid-February 2012. To date, the energy generated has saved 10 tons of carbon dioxide, equal to the amount of CO2 offset by 257 trees. The energy generated since February 2012 could power eighty 60-watt bulbs for one year.

Students will use the data monitoring system as part of their curriculum, and the media center will host a variety of renewable energy resources, including a demo version of the wind turbine.

Live system data is publicly available at: http://live.deckmonitoring.com/?id=henley_middle_school

All systems were installed by Baker Renewable Energy. For more information, contact Lindsay Snoddy at lcsnoddy@k12albemarle.org.

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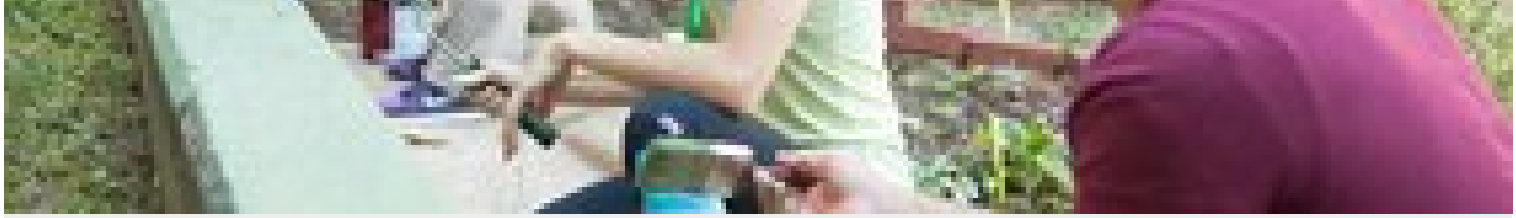

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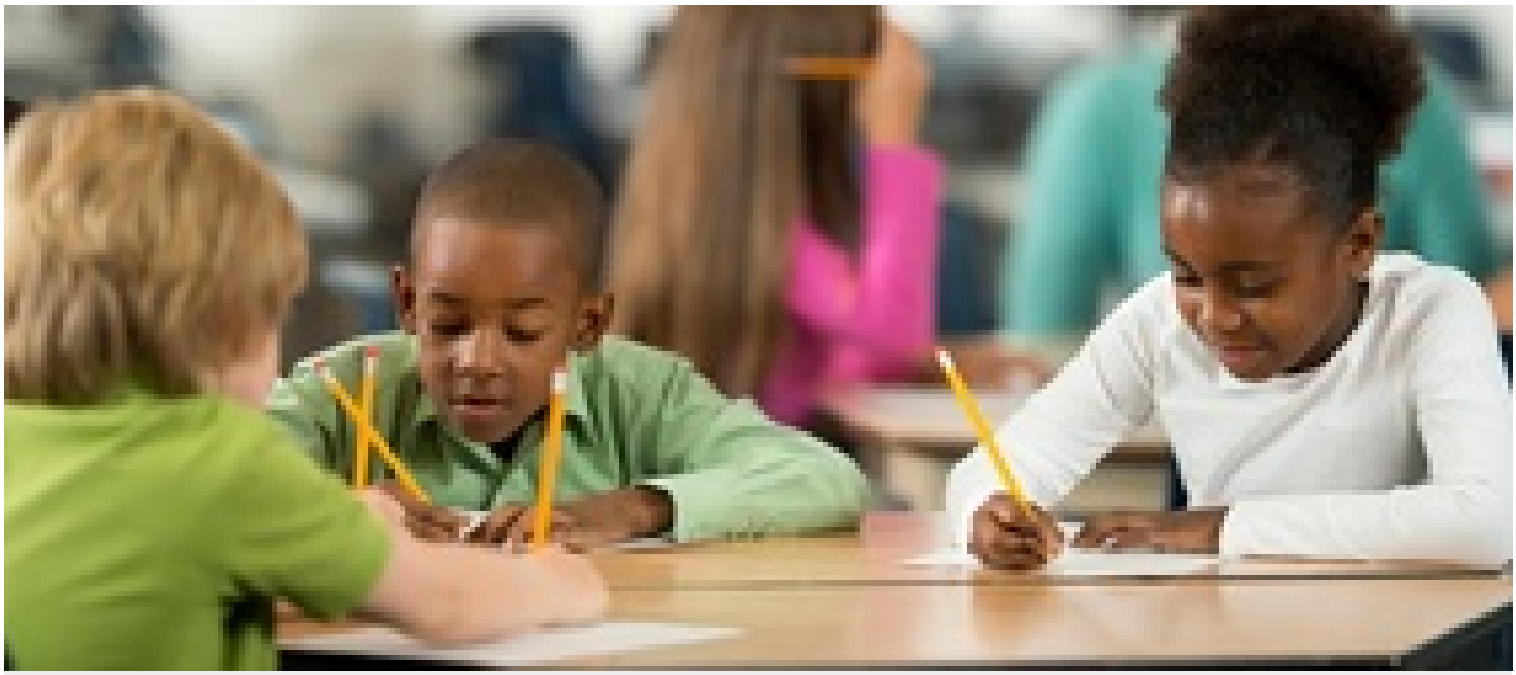

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