

# Dare Education Foundation Celebrates

## 21<sup>st</sup> CENTURY **STARS** in Education

Thinking...

Planning...

Collaborating...

Communicating...

Being creative.

These are *real world life skills* for the real world job market.

Knowledge is power, but it's how knowledge is used that really makes the difference.

Learn more about 21st Century Skills as you read about this month's Stars in Education and by going to [www.dareeducationfoundation.org](http://www.dareeducationfoundation.org).

Celebrate 21st Century Stars in Education – students who are learning by doing, problem solving, using technology, practicing social responsibility and much, much, more!



witnessing the geyser-like reaction of mixing Mentos and Diet Coke. Collaboration among school, family, and community makes this event one of the most successful and long-lasting at CHES.

### CAPE HATTERAS ELEMENTARY SCHOOL

With enthusiastic participation at their annual Science Festival on April 1, 2010, students at Cape Hatteras Elementary School integrated the 21st Century skills that foster community involvement and hands-on activities. Even though Science Fest has been going on for over 16 years at CHES, students never tire of it due to its constant innovation and evolution. Each grade level sponsors 3 or 4 science activities that combine inquiry and hands-on learning and that are based on curricular standards. Small groups of students rotate through each activity, led by student family members. This year's activities included exploring bubbles, including kiddie pools, assorted bubble wands, and a "bubble window" that creates window-sized bubbles; learning about Dare County animals with a representative from Fish and Wildlife; creating healthy snacks of their own with instruction and guidance from school nurse Jennifer Scott; and exploring the world of chemical reactions by exploding baggies, dancing with raisins, and

### MANTEO ELEMENTARY SCHOOL

Kindergarten and first grade students at Manteo Elementary School are part of a REVOLUTION, an exciting math revolution! Using 21st Century technology skills



that teach students how to learn, think critically, solve problems, use information, communicate, innovate, and collaborate, students rotate from

work station to work station for math "games" that reinforce concepts with each spin of a pointer or toss of a die—no more worksheets or looking at the board for traditional instruction. Students are assessed by their teacher's use of a palm pilot, a device that gives instant feedback for future individualized instruction, based on students' responses, and allows a teacher to know immediately whether a child has mastered a concept or not. Teachers also note that peer to peer interpersonal and communication skills used in the math activities carry over into language arts and literacy workstations. These new techniques can help all students achieve success in math and cause enthusiastic students to ask, "When can we play math?"



### MANTEO MIDDLE SCHOOL

Students in Stacey O'Brien's 6th grade language arts classes at Manteo Middle School have integrated 21st Century technology skills into their curriculum by using Wiki Spaces ([www.wikispaces.com](http://www.wikispaces.com)) to correspond with each other on various discussion topics. While reading class novels, such as *Surviving the Applewhites* and *The Westing Game*, students use Wiki Spaces to lead and respond to discussion topics, provided by both the teacher and fellow

classmates. Students encourage each other to think critically about posed questions and self-led discussions on their thoughts and opinions about the books. As the teacher's role has become more of a facilitator, students have expressed their increased enjoyment in using Wiki Spaces and being able to lead discussions.

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