





## About Science Splash

Girls tend to lose interest in science and technology during middle school. For three-year, ETV coordinated a pilot project called TECH TEAM. To conclude this three year project, ETV partnered with the National Science Foundation, the Girl Scouts of America, and community schools and groups, to host an all-day science festival that stimulated and encouraged middle school girls' interest in science, technology, engineering and math careers. The 2005 [Science Splash](#) was a girl's odyssey of hands-on science and math activities, speakers, shows and exhibits—all designed to educate, inspire, stimulate and entertain middle school girls ages 10-14.

## Science Splash Video Descriptions

Note: Time duration is listed as (HH:MM:SS)

### [Chemistry](#) (00:03:30)

Dana L. Broughton, a Ph. D. candidate in chemistry at USC and a graduate of Clemson University, discusses her career, her future and the benefits of majoring in Chemistry. As a Ph.D. student she teaches and does research in the development of bio-sensors.





### Civil Engineer (00:04:34)

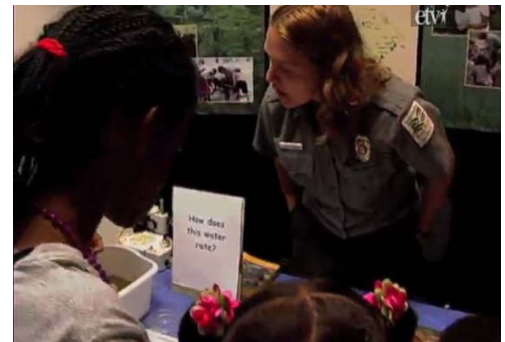
Michelle James is Bridge Project Coordinator (civil engineer) for the South Carolina Department of Transportation (SCDOT). She manages bridge replacement projects for thirteen counties within the state. Michelle views being a black female in a predominantly white male field as an opportunity.

She's faced many challenges, but enjoys her work and encourages young girls interested in math and science to pursue similar careers.



### SCANA: Girl Power (00:07:32)

SCANA female employees in STEM related careers explain their jobs, their journeys and why it is so important for girls to take an interest in Science, Technology, Engineering and Mathematics. This video includes interviews with:



- Lynne Miller, President, Quanta Technical Services
- Delana Goodwin, Junior Engineer
- Laura Comstock, Safety Advisor
- Angie Webb, Business Manager
- Sylvie Haddad, Technology Specialist
- Sarena Burch, Senior Vice President, Fuel Procurement & Asset Management



### [Pilot](#) (00:03:33)

Chemist and pilot, Patty Hamilton, explains to an audience of young girls what she does professionally at the University of South Carolina's Office of Health and Safety. She also discusses her hobby of flying airplanes and how she built a plane herself.



### [SCDOT Civil Engineer](#) (00:03:27)

Gayatri Kharel works for the South Carolina Department of Transportation (SCDOT) as a civil engineer. She outlines how her interests in civil engineering developed while she lived in India. She talks about what it's like to be the only woman in her field and how she learned to work with a predominantly male work force.



### [Videographer](#) (00:03:25)

ETV's Lynn Cornfoot explains how she first got interested in filmmaking as a child. She also demonstrates some of the cameras used in broadcast television and discusses what it's like to be a woman in the business of videography.





## More Women in Technology

View our growing [Women in Technology](#) Collection on Knowitall Media.

### [Eaton Hydraulics – Business Unit Manager](#) (00:04:45)

A business unit manager at Eaton Hydraulics discusses her responsibilities. She also discusses her education, what subjects are important to do well in, and the importance of working as part of a team.

### [Computer Drawing](#) (00:02:34)

Maria Manhattan shows how she adds color and shadow to bring her computer drawing more to life.

### [Storyboard Animations](#) (00:03:16)

Maria Manhattan shows how she uses a stylus and a tablet to draw on a computer inside Adobe Illustrator.

### [TV Production On Location](#) (00:02:21)

Lynn Cornfoot is behind the scenes at a re-enactment of a domestic violence scene for the documentary, *Remember My Name*

## Tech Team Resource Listing

- DigiGirlz (<http://www.microsoft.com/en-us/diversity/programs/digigirlz/default.aspx>)
- Engineer Girl (<http://www.engineergirl.org/>)
- GirlDev (<http://girldev.com/>)
- Girls In Tech (<http://www.girlsintech.org/>)
- Girls Who Code (<https://girlswhocode.com/>)



- Girlstart (<http://www.girlstart.org/>)
- Huffington Post: Girls in STEM (<http://www.huffingtonpost.com/news/girls-in-stem/>)
- National Center for Women & Information Technology (<https://www.ncwit.org/>)
- National Girls Collaborative Project (<http://www.ngcproject.org/>)
- PBS SciGirls (<http://pbskids.org/scigirls/home>)
- We Can Code IT (<https://wecancodeit.org/>)
- Women@NASA (<http://women.nasa.gov/>)

## Credits

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Visit [scetv.org/education](http://scetv.org/education) for more educational resources.