Engineers Change the World
A Hands-on Workshop for Girls 13-18 Years Old

A collaborative effort between the Center of Transportation and the Environment (CTE) at North Carolina State University and the University of Florida Transportation Institute (UFTI).

CTE has partnered with North Carolina Department of Transportation (NCDOT) and the Women’s Transportation Seminar (WTS) NC Triangle while UFTI has partnered with both student and professional WTS chapters throughout Florida.

Workshops provide speakers, role models, and hands-on activities to introduce middle school and high school aged girls to different careers in engineering with a focus on transportation.

Each workshop provides an opportunity to participate in an experiment that demonstrates the highlighted engineering principle.

For more information: [http://www.cte.ncsu.edu/engineering/](http://www.cte.ncsu.edu/engineering/)

Layers of cranberries, raisins, and grapes are mapped in an experiment that illustrates an archeological dig.

Participants secure their egg in preparation for a ride down a ramp in a toy truck.

These workshops support the Transportation YOU Initiative, a partnership between WTS International and the USDOT. Transportation YOU is a hands-on, interactive, mentoring program that offers young girls an introduction to a wide variety of transportation careers.

Engineering requires teamwork.

Future mining engineer mining for chocolate.

Surveying- how does a GPS device work.

Chemical and civil engineers working together to create a gravity flow hot chocolate machine.