

1125-VO-891      **M. Carol Williams\***, Department of Mathematics and Statistics, Texas Tech University,  
Lubbock, TX 79409, and **G. Brock Williams**. *Quilts, Constructions, and Kids*.

Our department hosts an annual Emmy Noether Day during which over 200 local middle and high school girls attend workshops and compete in math contests. Most participating schools are rural and heavily Hispanic.

We will describe one of the workshops in which students used quilting to explore tilings and geometric constructions. The hands-on activities allowed them to experience how theorems they had seen in their geometry classes can be used to construct quilt patterns.

We also involved undergraduate pre-service teachers who had just completed their required geometry course as tutors for the students, multiplying the impact of the workshop. (Received September 12, 2016)