

1125-VW-1697      **Susanna Molitoris-Miller\***, Kennesaw State University, Department of Mathematics, Clendenin Building Rm 3039 (MD1102), Kennesaw, GA 30144, and **Brian Kronenthal** and **Jathan Austin**. *The Settlers of "Catanbinatorics"*.

One of the distinguishing features of The Settlers of Catan board game is the dynamic game board which is reconstructed for a new board every time you play. With nineteen resource tiles, eighteen number chips, and nine ports to arrange the possibilities seem endless. In this session we use combinatorial techniques to count the number of possible boards as well as explore other interesting combinatorial problems inspired by the board assembly (Received September 18, 2016)