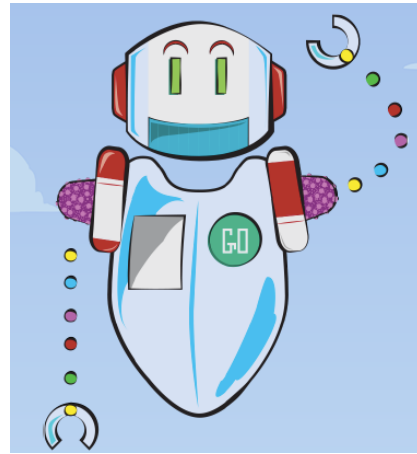


# MATH DEPARTMENT COLLOQUIUM



***The CandyBot Educational Game:  
Transforming Units, Units of Units, and Unit Fractions***

Dr. Anderson Norton, Dept. of Mathematics, Virginia Tech

Friday, Feb 27, 2015 3:00-4:00 PM DERR 329

Andy will present evidence from a teaching experiment related to the ways that middle school students coordinate units. This work and related research has informed the design of a new app, CandyBot, which addresses units coordination in the context of working with fractions and defining functions. Supporting students' abilities to coordinate two and three levels of units is critical to their meaning making in domains of whole number multiplication, integer addition, fractions knowledge, and algebraic reasoning.

PS: Andy will be available after the talk to offer an interactive demo of the game.

Andy Norton is Associate Professor of mathematics education in the Mathematics Department at Virginia Tech. His research focuses on building psychological models of students' mathematical development. These models are based on the notion that mathematics is a product of coordinated mental actions.