1125-97-1776        **Meghan De Witt\*** (`mdewitt@stac.edu`). *They Really Can Do Research in Pure Math:*
*Group-theoretic Problems Accessible to Underprepared Students.*

Applied and computational mathematics are not the only subjects in which undergraduate students can perform meaningful research. We describe several problems in group theory which undergraduate student have investigated with almost no algebraic background prior to the start of their research. These include pairings of group theory with topics such as the Fibonacci Numbers and the tesseract. (Received September 19, 2016)