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Joseph A. Gallian\* (jgallian@d.umn.edu), Department of Mathematics and Statistics, University of Minnesota Duluth, Duluth, MN 55812. *Household group theory.* 

In this talk we provide examples that an instructor in an abstract algebra class can use to connect groups with commonplace things. The connection between groups and everyday objects is two-way. Sometimes the groups provide interesting information about the objects and sometimes the objects provide an interesting way to think about the group. (Received September 13, 2004)