

1154-A1-1958      **Sara Jensen\*** ([sjensen1@carthage.edu](mailto:sjensen1@carthage.edu)), 2001 Alford Park Dr., Kenosha, WI 53140. *Teaching Abstract Algebra: Lessons from my Children.*

Students first learning Abstract Algebra often find the material unfamiliar, difficult to remember, and unintuitive. Although performing computations with many different examples of groups can help alleviate these issues, this practice seems to justify rules rather than motivate them. This talk will discuss the solution I came up with to combat these issues: to motivate as many group theory topics as possible with concepts familiar to my 4 year old. We will discuss how books, colors, candy, and even princess dolls can secretly teach us about exponentiation, cosets, factor groups, and permutation groups. (Received September 16, 2019)