

1125-P1-2578      **Scott Zinzer\*** ([zinzer\\_s@wwvc.edu](mailto:zinzer_s@wwvc.edu)), 59 College Avenue, Buckhannon, WV 26201. *Teaching introductory group theory with the Rubik's cube*. Preliminary report.

We describe techniques for incorporating the Rubik's cube into a typical first-semester course in group theory. In this talk, we examine Rubik's cube explorations motivating concepts in group theory, Rubik's cube activities and applications illustrating results in group theory, and reflective Rubik's cube questions and activities previewing more advanced topics in group theory. (Received September 20, 2016)