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**Carl V Lutzer\*** ([cvlsma@rit.edu](mailto:cvlsma@rit.edu)), Department of Mathematics and Statistics, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623. *Changing Basis With Hockey Pucks*. Preliminary report.

I will describe a demonstration in which I used meter sticks and hockey pucks, and discuss the ways it helped students who were taking their first course in linear algebra and matrix theory to understand both vector addition in a basis free setting and the way a change of basis affects the matrix representation of a linear map. (Received September 15, 2000)