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David E Ewing* (ewing@cmsu1.cmsu.edu), Dept. of Math & Computer Science, WM 117,
Central Missouri State University, Warrensburg, MO 64093-5045. *Geometry on a HubCap.*

What geometry can exist on the surface of a Hubcap, a chocolate "Kiss", a cowboy's saddle or a "Donut"? Learn to teach Euclidean or Non-Euclidean Geometry more effectively by having your students create their own geometries on these surfaces. Several student-created, classroom-tested lessons will be demonstrated and include 'creating definitions', 'forming shapes', formulating theories, and proving/disproving theories. Come and have fun creating your own geometry! (Received September 27, 2005)