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**Straight on the sphere: meanings and artefacts.**

Lindmeier, Anke M. (ed.) et al., Proceedings of the 37th conference of the International Group for the Psychology of Mathematics Education “Mathematics learning across the life span”, PME 37, Kiel, Germany, July 28–August 2, 2013. Vol. 2. Kiel: IPN–Leibniz Institute for Science and Mathematics Education at the University of Kiel (ISBN 978-3-89088-288-8). 33-40 (2013).

Summary: This report is drawn from a teaching intervention which aims at introducing spherical geometry in a primary school. Assuming a perspective according to which learning should involve students in processes leading to the explicit formulation and elaboration of meanings, this report is meant to explore the dynamics between students’ elaboration of meanings emerging from an activity with artefacts and students’ explicit reflection on the use of the artefacts themselves.

*Classification:* G92 C32

*Keywords:* spherical geometry; primary school; students’ reflection; meaning