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Mathematization of Experience in a Grade 8 Open-Inquiry Environment: An Introduction to the Representational Practices of Science.

J. Res. Sci. Teach. 31, No. 3, 293-318 (1994).

Investigates the use of mathematical representations in 3 grade-8 general science classes (n=65) that engaged in a 10-week open inquiry about the correlations between biological and physical variables in the environment. Demonstrates the use of representations as conscription devices, and illustrates how the use and understanding of inscriptions changes over time. (ERIC)

Classification: M53

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