

1106-N1-2118

**Volker Ecke\*** (vecke@westfield.ma.edu), **Christine von Renesse**, **Julian Fleron** and **Philip K Hotchkiss**. *Discovering the Art of Inquiry: Creating a Culture of Asking Open Questions*. Preliminary report.

What is needed to support students in cultivating lifelong habits of curiosity? We claim that students will naturally start asking interesting questions if the majority of what they see or hear in their class are questions: course materials dominated by questions rather than facts, a teacher who answers questions with questions, and a classroom where questions focus the day to day work of the group. In this "talk", participants will explore, share, and inquire into tools and activities that can support a culture of inquiry. Discovering the Art of Teaching IBL ([artofmathematics.org/classroom/](http://artofmathematics.org/classroom/)) is a growing collection of pedagogical tools we are learning about for creating a culture of inquiry in our mathematics classes. Discovering the Art of Mathematics ([artofmathematics.org](http://artofmathematics.org)) is an NSF-funded project to develop inquiry-based course materials and to provide pedagogical resources to make inquiry-based learning come alive in mathematics courses for liberal arts majors. (Received September 15, 2014)