

**120 - Cyber Peer Led Team Learning (cPLTL) evaluation**

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As a leader in higher education's evolution towards personalized, digitally-supported learning, IUPUI has driven efforts to deliver and study Cyber Peer-Led Team Learning (cPLTL), the virtual adaptation of the widely successful Peer-Led Team Learning (PLTL) instructional model. PLTL is a high impact face-to-face pedagogy that incorporates active learning and increases student engagement by preserving the lecture and replacing the course recitation with a weekly two-hour workshop. During the workshops, six to eight students work collaboratively to solve carefully constructed problems under the guidance of a peer leader. While offering virtual PLTL workshops held advantages, it also raised questions regarding the impact on achievement, retention, engagement, and the quality of discourse. This study includes an analysis of course grades, standardized exam scores, and survey data to determine cPLTL's impact on educational outcomes—student achievement, course completion, and motivation. Qualitative measures (interviews, observations, and discourse analysis) were employed to further explore the differences between the face-to-face and online conditions. Student demographic data (e.g., gender, race/ethnicity, Pell Grant-eligibility, etc.) was incorporated to contextualize the findings. This presentation informs participants of the workshop evaluation methods and the study results.

**Monday, September 9, 2013 09:15 AM**

[Learning Chemistry in Cyber Environments \(08:30 AM - 10:50 AM\)](#)

**Location: Indianapolis Marriott Downtown**

**Room: Indiana Ballroom C/D**

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