Inq-ITS

Real Time Science Assessment and Tutoring

To Whom It May Concern,

My name is Dr. Janice Gobert, and I am the CEO of Apprendis, as well as a professor at Rutgers University. Our product is Inq-ITS, standards-aligned virtual labs for grades 5-10 science that are automatically scored.

Inq-ITS (Inquiry Intelligent Tutoring System) is an online educational environment for science. With Inq-ITS, students engage in virtual inquiry. Inq-ITS puts students in control of their own learning, with each participating in their own authentic inquiry experience. As students work, Inq-ITS uses complex algorithms that automatically assess students and generate real-time formative reports on classroom-wide performance for educators on each inquiry skill, summarizing classroom-wide and individual student performance.

The Inq-ITS Project was started in my lab at Worcester Polytechnic Institute in 2007. From the beginning, the Inq-ITS Project sought to utilize cutting edge learning science research and revolutionary data mining techniques to engage students in rigorous virtual science labs with real-time assessment to optimize student learning. At Inq-ITS, we believe that in order to be successful in the 21st Century, students need their education to go beyond rote memorization. Our goal is to create virtual science labs that help students to master critical thinking skills, a practice that will help students succeed in the classroom and beyond.

Recently, Inq-ITS received a coveted 5-star rating from Common Sense Education: "Scientific inquiry is truly embedded in Inq-ITS labs, enhancing student understanding of disciplinary content. Kids can learn from their mistakes and modify their explanations as they go. Teachers can choose to assign activities with or without the dinosaur tutor Rex. Rex gives students immediate feedback, coaching them through inquiry tasks." We have also won other awards that can be seen on the Awards section of our website.

If you have any questions, call (844) 446-7487 or email info@inqits.com.

Dr. Janice Gobert

Professor, Rutgers University
CEO, Apprendis

The Science Behind Inq-ITS

Patents

An Instruction System with Eyetracking-based Adaptive Scaffolding. Gobert, J. & Toto, E. (February 22, 2013). An Instruction System with Eyetracking-based Adaptive Scaffolding. Issued US Patent no. 13/774,981.

Inquiry Skills Tutoring System Gobert, J., Baker, R.S., & Sao Pedro, M. (January 29, 2014). Inquiry Skills Tutoring System. Issued US Patent no. 9,373,082.

Publications

Gobert, J.D., Kim, Y.J, Sao Pedro, M.A.,Kennedy, M., and Betts, C.G. (In press) Using Educational Data Mining to assess students' skills at designing and conducting experiments within a complex systems microworld. Thinking Skills and Creativity. doi:10.1016/j.tsc.2015.04.008

Gobert, J. D., Baker, R. S., and Wixon, M. (2015) Operationalizing and Detecting Disengagement During On-Line Science Inquiry. In Educational Psychologist, 50:1, 43-57.

Grants

National Science Foundation
NSF 0733286, 1008649, 0742503

US Department of Education
ED R305A090170, R305A120778, EDIES15C0019, EDIES16C0014

Awards and Recognitions

Common Sense Education
5-Star Rating and review

Edscoop
News story and interview

EdSurge
Mention in article on US DOE educational tool funding

US News & World Report
Op-Ed piece on educational data mining and use in assessment