International Society for Design and Development in Education Selects Winner of

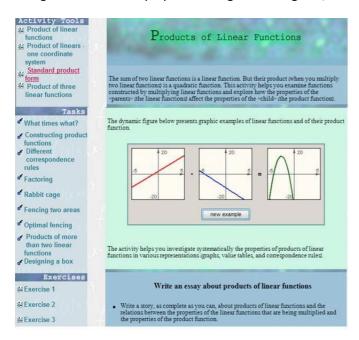
Third Annual Design Awards, "The Eddies"





Pittsburgh, PA (Oct 7, 2010) The International Society for Design and Development in Education (ISDDE) recently announced the winner of the organization's third annual design awards, known as "the Eddies," to recognize excellence in design of educational products and materials in science or mathematics. The 2010 award winner and recipient of a \$10,000 prize is **Michal Yerushalmy** of the Research Institute of Alternatives in Education at the University of Haifa, for **Visual Math**, a curriculum developed through a rigorous process to produce innovative materials with great demonstrated impact on students, teachers, and educational designers around the world.

Visual Math, developed by teams led by Michal Yerushalmy, is a function-based mathematics program for 7th through 12th grade (http://www.cet.ac.il/math-international/junior.htm and http://www.cet.ac.il/math-international/junior.htm



Visual Math was first developed in the early 1990s, building upon prior successful designs in geometry. It has seen 4 major revisions over 16 years of systematic development. The changes included systematic revisions of tasks based upon careful analysis of student and teacher needs, but also included the integration of an innovative e-book structure for the materials that builds upon the unique affordances of digital interactive books. The also included developed materials workshops and multimedia packages for teachers.

The impact on students was carefully documented through a range of studies showing that **VisualMath** students outperform traditional curriculum students by a wide margin on a range of measures

(national tests, placement exams, and complex problem solving tasks). One line of work demonstrated that students from the lower 25% greatly benefited from the pressure for thinking and analysis found within Visual

Math. At the same time, a second line of work also established that gifted/talented students also benefit from the rich curriculum. These studies showed that well designed materials could be useful to a very broad range of students.

A contemporary continuation of VisualMath is **Math4Mobile**. This project seeks to convert ubiquitous mobile technology into an important resource for inquiry teaching and learning mathematics.

Visual Math digital materials are open for use in various formats and languages; teachers, educational designers, and researchers from around the world are documenting the impact the Visual Math materials had on them.

Michal Yerushalmy heads the **Institute for Research of Alternatives in Education** which aspires to become the premier research and design incubator for technological innovation in education, bringing together developers and researchers from academia and industry, in Israel and abroad, with research fellows in the learning sciences.

About the International Society for Design and Development in Education

ISDDE was founded to bring together outstanding designers and developers to collectively define and achieve excellence in educational products and materials, particularly in science, math, and technology; and to create a professional community that shares knowledge, research, approaches, and critiques. ISDDE advances these goals through annual conferences, an e-journal, *Educational Designer*, and "The Eddies," which recognize and give exposure to outstanding work in the field. The 2011 "Eddies" will recognize a substantial body of work over a period of years. For more information about ISDDE and its awards, visit www.isdde.org.

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