

**iMPaCT-Math: Discovering Algebra Concepts Using Simple Calculator Programming  
Summer 2012 Professional Development Program (PDP 2012)**

Dates: Tuesday, August 7 – Thursday, August 9 2012

Time: 9-4PM

Location: New UTEP Chemistry and Computer Science Building (CCSB, Corner of Rim & Hawthorne)

Stipend/honoraria: for attendees from invited schools: \$300 for the workshop; up to \$200 for follow-up

**Register on web at <http://www.impactstem.org/pdp2012>.** Follow the “registration” link.

“iMPaCT-Math<sup>1</sup>” activities were piloted in freshman algebra classrooms at Coronado and Canutillo HS last year. They focus on core Algebra I concepts underlying the TEKS and essential for understanding questions in the end of course exam. Results were encouraging

- Teachers enthusiastic about student engagement, curiosity, and conceptual understandings.
- Teachers surprised to discover how easy it was to program using simple calculator functions.
- Particularly effective at engaging students who previously struggled.
- Strong results on end-of-course exam

We are offering this professional development workshop because the teachers from our pilot study asked for it.

After discussion with your math coach, your campus was selected to participate. We want to encourage collaboration and support among teachers, so please bring along a colleague.

Participants will

- Experience iMPaCT-Math activities as learners
- Examine and practice connecting these activities to algebra lessons
- Examine Integration of the activities into their lesson plans

During the fall, we will offer monthly support meetings at schools with multiple participants. Participants who attend these and assist in data collection will receive a \$100 honorarium each semester.

Register right away as that space is limited. (first come – first served; see link at top of page)

Questions? Contact:

- Eric Freudenthal or Art Duval (UTEP faculty): [efreudenthal@utep.edu](mailto:efreudenthal@utep.edu), [artduval@math.utep.edu](mailto:artduval@math.utep.edu)
- Sharie Kranz (math coach at Coronado HS): [skranz@episod.org](mailto:skranz@episod.org)

iMPaCT-Math is affiliated with the Computing Alliance for Hispanics and sponsored by the National Science Foundation, Department of Homeland Security, Texas Instruments, Microsoft, and CALCULEX.

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<sup>1</sup> iMPaCT-Math is an approximate acronym for “Media Propelled Computational Thinking”