The UTD TRC in Science is in its 20th year of continuous funding. For 2016–2017, we have the opportunity to expand to include a UTD TRC in Mathematics. This summer we have a special and unique opportunity through the TRC and a partnership with UT Dallas Computer Science to provide computational reasoning professional development to secondary science and mathematics teachers.

Funding is predominately under TEA and Department of Education flow-through.

Requirements for 2016–2017 grants include:

i) Content Focus Area for Professional Development set by TEA – STAAR and TEKS Driven
   b. At least 40 contact hours must be in focus area.
   c. 75% of contracted teachers served must be grades 6-8 or Algebra I for mathematics.

ii) Long-Term, Sustained, Content-Focused Professional Development
   a. 100+ hours of professional development provided at no cost to teachers
   b. Cadre members/teammates trained and/or mentored for 12 to 24 contact hours

iii) Higher Education Content Provider – STEM Faculty
   a. Science and Mathematics STEM Faculty in Science/Mathematics Education
   b. UTeach Dallas Master Teachers/Clinical Faculty in Science/Mathematics Education
   c. Teacher-to-teacher presentations and sharing

iv) High-Needs Partner Districts
   a. At least 3 high need (>40% free and reduced lunch) school district recruitment partners
   b. Support teacher participation and assist in meeting data collection requirements for participating teachers.
   c. How can UTD TRC professional development meet district and teacher needs?

v) Immersion Schools
   a. A minimum of five schools per Collaborative in which the same entire tested grade level is trained for a minimum of 24 contact hours, with one teacher as a full member trained for a minimum of 100 contact hours.
   b. 8th grade required for Science.
   c. Can be any school, regardless of district, who takes the STAAR.

vi) Data Collection
   a. Teacher and classroom demographics
   b. Teacher pre/post testing, surveys, and consent to participate in research
   c. Aggregated STAAR data for mentor-level participating teachers
   d. STAAR report for Immersion Schools