ATE SUPPORT TO SCHOOLS

- Training for school professional staff members who serve as club sponsors.
- Training for parents/community members who agree to serve as assistants, mentors, knowledgeable others to work with the students in the club.
- Nepohualtzitzins for individual student club members and kits of Nepohualtzitzins to use during club meetings.
- An online based maze and task cards that help guide student inquiry, project-based learning activities/tasks/projects.
- Books, articles, videos and other resources housed in the Mesoamerican Mathematics Virtual Learning Environment (Moodle).
- UTSA service learning students mentor younger students.

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THE NEPOHUALTZITZIN PROJECT
- An informal learning opportunity for students
- An after-school club designed to improve student capacity in mathematics
- An interdisciplinary and communal approach in the art of teaching and learning that transforms student understanding about the science in calculations and their harmony with the universe
- A Mathematics Model to increase the number of Hispanic and low-income students to become academically ready for a STEM related field
- Club meetings that effectively combine the use of both ancient and modern tools to engage students
- Nepohualtzitzin, an ancient tool developed and used by Pre-Columbian Mesoamerican (Mayan and Nahua) societies for calculation and accounting
- El Laberinto Virtual Nepohualtzitzin / The Nepohualtzitzin Virtual Labyrinth

PURPOSE
- Broadens students’ mathematic reasoning ability
- Provides a structure where learning is anchored to socio-cultural practices and language
- Transforms the student from one who acquires knowledge into one with an ability to learn and be capable of continually building and deepening his/her intellectual capacity
- Promotes designed strategies for learning how to live in communal harmony

BENEFITS TO STUDENTS
- Uses an integrative approach to understanding concepts such as symmetry, coordinated planes, and other geometrical theorems which result in an augmented potential in students’ daily use of mathematics
- Develops student ability to think and apply reasoning skills
- Stimulates student memory, concentration, and focus
- Utilizes a method for creating students’ mental agility
- Encourages thought association and sharpens mental calculation abilities