

## Detailed Description of Teacher Training

The Challenger Learning Center of the Rio Grande Valley will be providing a unique teacher training that will incorporate the use of technology and astronomy as a teaching tool for different and difficult to understand math and science concepts.

The CLC-RGV personnel will train your teachers to utilize the most up-to-date astronomy software. This is the same software that the Center uses in their teaching activities. The training comes complete with sample lessons, lesson plans, and activities; activities that incorporate the use of this technology in the classroom.

Upon completion of the CLC-RGV training, your educators will be able to incorporate new and exciting lessons and activities utilizing space science as a spring board to inspire student's natural desire for learning. These lessons meet national science standards and incorporate NASA developed lessons.

By viewing astronomical objects as systems, teachers will be able to utilize this knowledge and correlate it to current math and science concepts. As teachers master these tools, students will gain a profound understanding of core concepts and thereby broaden their horizons

These trainings will be conducted at your campus. Your computers must be able to handle the software requirements.

Trainings include;

1. State of the art astronomy software programs produced by NASA, and other leading astrophysical educational entities.
  2. Teacher friendly, hands-on, training on software manipulation and navigation.
  3. User manuals for each software program.
  4. National Science Education Standards Matrix
  5. Lesson plans and activities covering each space science TEKS objective.
    - If you want specific lessons and activities to cover specific TEKS you must let us know one month in advance
- ½ day training provides all materials, and how to utilize software.
  - Full day training provides all materials, how to utilize software, and how to incorporate the materials in to classroom lesson plans and classroom activities.

Art Castillo – Director of Education

1. BA in Science
2. Science Teacher/Mentor since 1993
3. Doctorate in Jurist Prudence.

Alberto Villarreal – Executive Director

1. BA in History - Social Science Composite
2. Teacher since 1994
3. Masters in Education Administration