

MATH INSTITUTE

The GEAR UP Math Institute will be conducted this summer and continues through spring with an exciting series of training opportunities for Pre-Algebra, Algebra and Geometry teachers to acquire additional skills and strategies to engage students and build math confidence. The summer Math Institute has four parts: an administrator day, a five-day teacher institute, two fall site visits and a spring follow-up session.

Administrator Day

The summer administrator day for principals and teacher evaluators is designed to develop specific knowledge and skills to work collaboratively with math teachers and ensure support of new classroom math strategies. Most importantly, administrators will gain an understanding and appreciation of the commitment needed by the administrator and teacher in order to continually improve student achievement in mathematics learning.

Teacher Institute

The knowledge and skills that teachers will experience in the Teacher Institute include components of “Understanding by Design” curriculum, assessment and instruction. They will experience, observe and analyze math lessons and will be collaboratively involved with other school district teacher participants discussing instructional strategies of all Algebra Common Core State Standards as they gain success and confidence in teaching algebraic concepts.

Fall Site Visits and Spring Follow-Up Session

The Math Consultant and the teachers will agree upon a date in the fall for a site visit and the opportunity to observe the Math Institute Consultant modeling student learning experiences, which will be followed by a reflective discussion after the facilitated lesson with both teacher and administrator participants. During a second fall site visit, the Math Institute Consultant will return to observe the teacher demonstrating their newly acquired skills, which again will be followed by a reflective discussion with the facilitator and administrator. The site visits are a vital part of the institute and the teacher and administrator are expected to clear their calendars for these important events. The final Math Institute event is a one-day spring follow-up session on a designated Saturday in Oklahoma City at a site TBD.

Math Institute Administrator and Teacher Expectations:

- All teacher training materials will be paid through the GEAR UP subgrant. A list of materials will be provided to participants with sufficient time to obtain materials prior to summer math institute training.
- Teacher participants will bring all materials to the summer math institute.
- Administrator will attend the summer administrator day.
- Math teacher participants will attend all five days of summer institute training.
- Administrators and math teacher participants agree to clear their calendars for both site visits with the math consultant on the agreed-upon dates.
- Administrators and math teacher participants will return for the final follow up day in Oklahoma City in the spring of 2012.

Oklahoma GEAR UP will provide sample budgets for school districts to submit with their Implementation Plan.

ADVANCED MATH INSTITUTE

Oklahoma GEAR UP is conducting an Advanced Math Institute and the focus will be on building algebraic skills and the vertical alignment from third grade through the high school Algebra II course.

The participants must have attended the GEAR UP Math Institute (above) as a prerequisite to the Advanced Math Institute. Qualifying participants will be asked to come to the Advanced Math Institute summer training with a math lesson taught during previous school year to share with other institute participants. Teachers will also be asked to bring student work samples from this lesson. Lessons will be analyzed and discussed with all institute participants. Districts may want to send a team of math teachers representing elementary, middle, and high schools to the summer institute.

The Advanced Math Institute will be 3 days in length. The GEAR UP Advanced Math Institute Consultant will also visit the school site of participating teachers in the fall to observe and give support to the math initiatives at the school site. A release day at the participant's school site to work on mathematics district alignment is also required.

Oklahoma GEAR UP will provide sample budgets for school districts to submit with their Implementation Plan.

NOTE: Expenditure procedures should always follow district policy guidelines.