TEACHER PROFESSIONAL DEVELOPMENT: A NEW MODEL FOR SUCCESS
Andrew Montgomery | Dallas, Texas

THE MODEL

Academies
Educators were placed into one of four academies based on their years of teaching science:

- PRE-SERVICE ACADEMY
- NOVICE ACADEMY
- ADVANCED ACADEMY
- MENTOR ACADEMY

Teachers matriculate into the next level after successful completion of one year of the Kosmos Energy STEM Teacher Institute.

Four-Day Summer Academy
Each summer, participating teachers attend a four-day summer academy with other teachers who have similar levels of experience teaching science.

Five Saturday Workshops
Participating teachers choose five Saturday workshops to attend during the school year. Two workshops are offered each month.

PROGRAM GOALS

Outcome 1: Consistent Learning Engagement
60% of participants will attend the four-day summer program and at least five Saturday workshops.

Outcome 2: Competent Knowledge of Science Concepts
70% of participants will demonstrate an increased knowledge of science concepts to classroom teachers.

Outcome 3: Confidence Among Science Teachers
15% of participants will report above-average confidence and connections with novice teachers.

Outcome 4: Creative Teaching Science Instruction
50% of mentored teachers will report above-average use of creative teaching strategies.

EVALUATION

The Perot Museum has contracted with the Brainstorming Group to conduct ongoing program evaluation. Evaluation tools include:

- MOSAIC Assessment Tool
- Teacher Confidence Index
- Teacher Creativity Index
- Student Interest Survey

Years 1-5 Growth Opportunities

- Providing valuable learning experiences for educators with varied backgrounds and classroom needs
- Supporting consistent attendance at Saturday workshops throughout the school year
- Continually challenging educators who have participated in the Institute for multiple years

Year 4 Looking Ahead

Continual program evolution in response to teacher needs and feedback

Increasing flexibility of program requirements such as workshop formats and workshop attendance

AUDIENCE

The Kosmos Energy STEM Teacher Institute is open to science teachers in the Dallas-Fort Worth metropolitan area. Participating teachers work in a variety of schools - charter, parochial, private, and public.

29 school districts
82 schools

15% pre-service
41% secondary
44% elementary

125 Participants

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