STEM Professionals to Professional Educators

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Title I Conference in San Diego Feb 1-4
SMILE
Science and Math
Innovative Learning Environments (SMILE) for Encore Careers in Education
Noyce Scholars Program
Text a Code to 22333

Getting to know you!
http://www.polleverywhere.com/multiple_choice_polls/8ahdTKLmJdl1PgU

Type of Teacher Prep Programs Represented
http://www.polleverywhere.com/multiple_choice_polls/UHzHEeSf9PUAyG9
Online 15-month comprehensive secondary teacher certification program in math or science.

Recruitment of re-careering Engineering, Math, and Science Professionals into a Post-Baccalaureate certification program leading to an Arizona teaching license in grades 7th through 12th.
Primary Recruitment Focus
Encore Career STEM Professionals

Maintain Income
Make a Social Impact
Add Personal Meaning

Freedman, Marc, - *Encore, Finding Work That Matters in the Second Part of Life*
Built on a Successful Teacher Preparation Program Model 2000-2014

- First state approved community college teacher preparation program in Arizona and first online program
- Program designed around the belief that a certification program should be rigorous and high-quality
- Teachers need not to go into debt for choosing teaching as a career path.
Growth reflects the start of alternative pathway to certification, Teacher In Residence Program.

The regular Teacher Preparation Program should not supplant, but increase math and science teachers in overall program.
24 District Partnerships
Representing 6 Counties in Arizona

- Pool of Math and Science mentor teachers with 5 years of teaching experience in Noyce Scholar's Content Area
- Provide 150 hours of Field Experience
- Provide 9 to 12 weeks of Student Teaching
- Interview Noyce Scholars for math and science openings in district

- BioScience High School in Phoenix Union High School District giving scholars first-hand experience with state of the art classroom materials and resources in Kayenta, AZ

- High-Need District/ Rural Grow Your Own Concept - Tatum Davis
16 Industry / Association Partnerships
Key Concepts of the SMILE Program

- Recruitment of Noyce Scholars
- Coursework enhancements
- Self-Efficacy Driving Force of Program
- Selection of “Best Fit” for classroom (particularly high need schools)
- Induction Model for Program
Self-Efficacy Driven

- Giving back to society
- Making an impact on next generation of mathematicians and scientists
- Fulfilling dreams
- Reflecting on self-efficacy - Tom Hagen
Selection of “Best Fit” for Classroom

- Explore Teaching Workshop
- Haberman STAR Teacher Pre-Service Teacher Screening Test
Selection of “Best Fit” for Classroom

- Interview Committee
  - Only Applicants who pass Explore Teaching Rubric
  - Diversified interview team
  - Interview Questions/rubric

- Best Fit for High-Need District and At-Risk Students—Annette Wright-Smith
Induction Model for SMILE

- Noyce Success Coach for coursework
- Noyce Advisor for student teaching
- First Year of Teaching Mentor
- Communities of Practice (NING Platform)
- Proven Program Benefits
SMILE Program Hurdles

- Recruitment of STEM Professionals

- Transition from corporate world to classroom
  - Scholars’ “With-it-ness”
  - Engaging classroom of teenagers
  - Knowing teaching is more than instruction
    (organization, record keeper, flexible, etc.)

- District expectations
  - AP or Honors classroom instruction
  - Automatic placement of scholar in district (it’s scholar’s choice)

- Testimonial - Danny Brady
SMILE Benefits

- Post Baccalaureate Degree Certification
- Flexibility of online learning
- Mentorship and Support
- Cost Effectiveness (Lower Community College Tuition)
- Master Degree Partnerships
- Assisted Job Placement
SMILE Noyce Scholars Program

Bringing SMILEs to the next generation

Contact

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