



Building Environmental and Educational Technology Competence and Leadership Among Educators: An Exploration in Virtual Reality Professional Development



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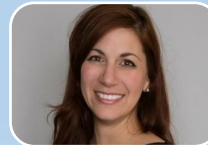
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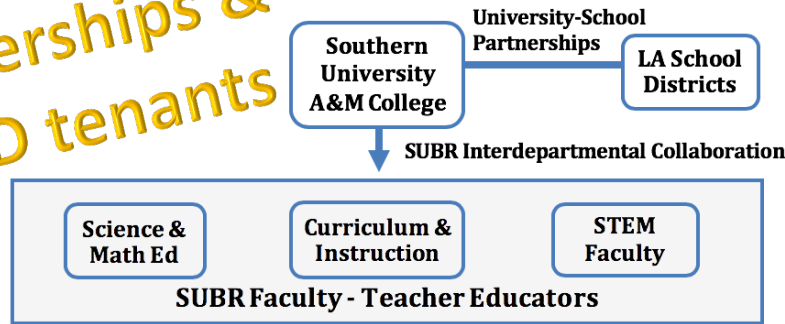
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Project Goals

What are the experiences of secondary STEM teachers in rural and urban schools who participate in the multiyear BEE-Tech PD program?

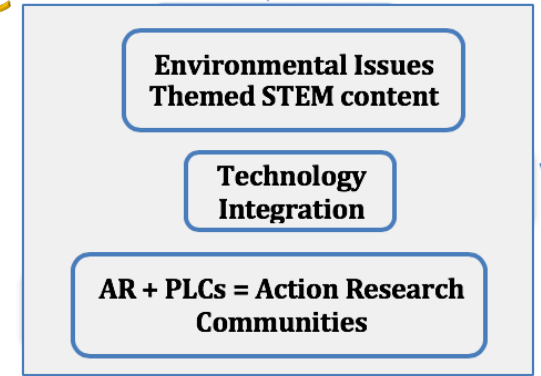
Using Partnerships & Effective PD tenants



To develop an effective PD program

STRUCTURE

CONTENT



7 Characteristics of Effective PD

1. Content-focused
2. Incorporates active learning
3. Supports collaboration in job-embedded context
4. Uses models of effective practice
5. Provides coaching & expert support
6. Opportunity for feedback & reflection
7. Sustained duration

(Darling-Hammond, Hyler & Gardner, 2017)

Summer Training

- 2-week blended learning institute
- 2 Cohorts of 10 teachers over 3 years

Academic Year Support

- 4 PD meetings
- Monthly Critical Friends Group meeting
- Classroom visits/observations
- Virtual AR Community

FOR Teacher Impact

- **Self-efficacy** and **engagement**
- Instructional **practices**
- Technological pedagogical and content knowledge (**TPACK**)
- Professional **growth and development**



Using Virtual Reality activities

