

June 28, 2019

Goals-

1. Enhance Diversity

Strategies:

- a. Partner with diverse organizations (e.g., NSHP)
- b. Outreach to Hispanic-serving and HBCU teacher training programs.

2. Improve K-12 physics instruction by providing PD for pre and in-service teachers.

Strategies:

- a. Develop and provide workshops focusing on new teacher initiatives and provide connections to Common Core, Next Generation Science Standards, Physics Education Research, Science Technology Engineering Math, Learning Cycles
- b. Develop resources and provide PD for educators related to current physics such as the Quantum Initiative
- c. Develop and promote support for AP Physics teachers
- d. Develop and promote workshops for basic content relevant to K-8 such as electricity, force & motion, and waves

3. Improve outreach to teachers and the physics/education community

Strategies:

- a. Identify and disseminate current research and pedagogy (e.g., quantum technologies)
- b. Volunteer to present workshops at UTeach Alumni meetings and annual conference
- c. Support relevant events such as Science Day, state meetings, national meetings, etc.
- d. Disseminate relevant and appropriate supportive resources (archival, current, future) and PD opportunities.
- e. Develop support materials for AP

4. Build/Enhance relationships with partner organizations to enhance visibility and increase membership and opportunities for outreach.

Strategies:

- a. Develop relationships with partner organizations (AAPT, NSTA, AAPT Sections, UTeach)
- b. Collect data regarding needs of educators and relevance/effectiveness of workshops to allow for self improvement and a basis for funding.

5. Sustain/build PTRA organization, active instructional leaders

Strategies:

- a. Website update
- b. Publicize the work of PTRA in AAPT publications (i.e. eNNOUNCER, website) and other venues (i.e UTeach Newsletter)
- c. Offer graduate credit (e.g., Mercyhurst, BYU) through universities willing to partner with PTRA.
- d. Promote leadership development through institutes, fellowships and awards

June 28, 2019

6. Promote mission of AAPT by providing support for K-12 educators

Strategies:

- a. Publish/present curriculum/PD on NGSS; Consider development of marketing “Teaching Physics through NGSS” through NSTA
- b. Publish resources through AAPT , e.g., AAPT PTRA book series
- c. Pilot New Teacher workshop (parallel with New Faculty) in anticipation of submitting a grant.