Advancing Research & Innovation in the STEM Education of Preservice Teachers in High-Need School Districts

**Knowledge Generation**

- **Blueprint for Innovation**
  Develop a blueprint for innovation in STEM teacher preservice education and leadership development programs, particularly as related to high-need school districts.

- **Research Agenda**
  Encourage research aimed at building effective STEM teacher preservice education and leadership development programs for high-need school districts.

- **Commissioned Papers**
  Synthesis of research literature on challenges and opportunities in preservice STEM teacher education and retention.

**Building Community**

- **NoYce Summit**
  Washington, D.C. | July 2019

- **Focused Meetings**
  Regional Dialogues to survey the landscape of preservice STEM teacher education.
  Teacher Retention | Spring 2019

**Research Dissemination**

- **Annotated Bibliography**
  High-impact publications, reports, standards, and frameworks on the research foundations for preservice STEM teacher education.

- **Blog**
  Sharing evidence-based innovations and research on what works in the education of preservice STEM teachers.

- **Monthly Newsletter**
  Highlighting research and opportunities.

- **Webinars**
  Topics critical to the preparation and retention of teachers.

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