



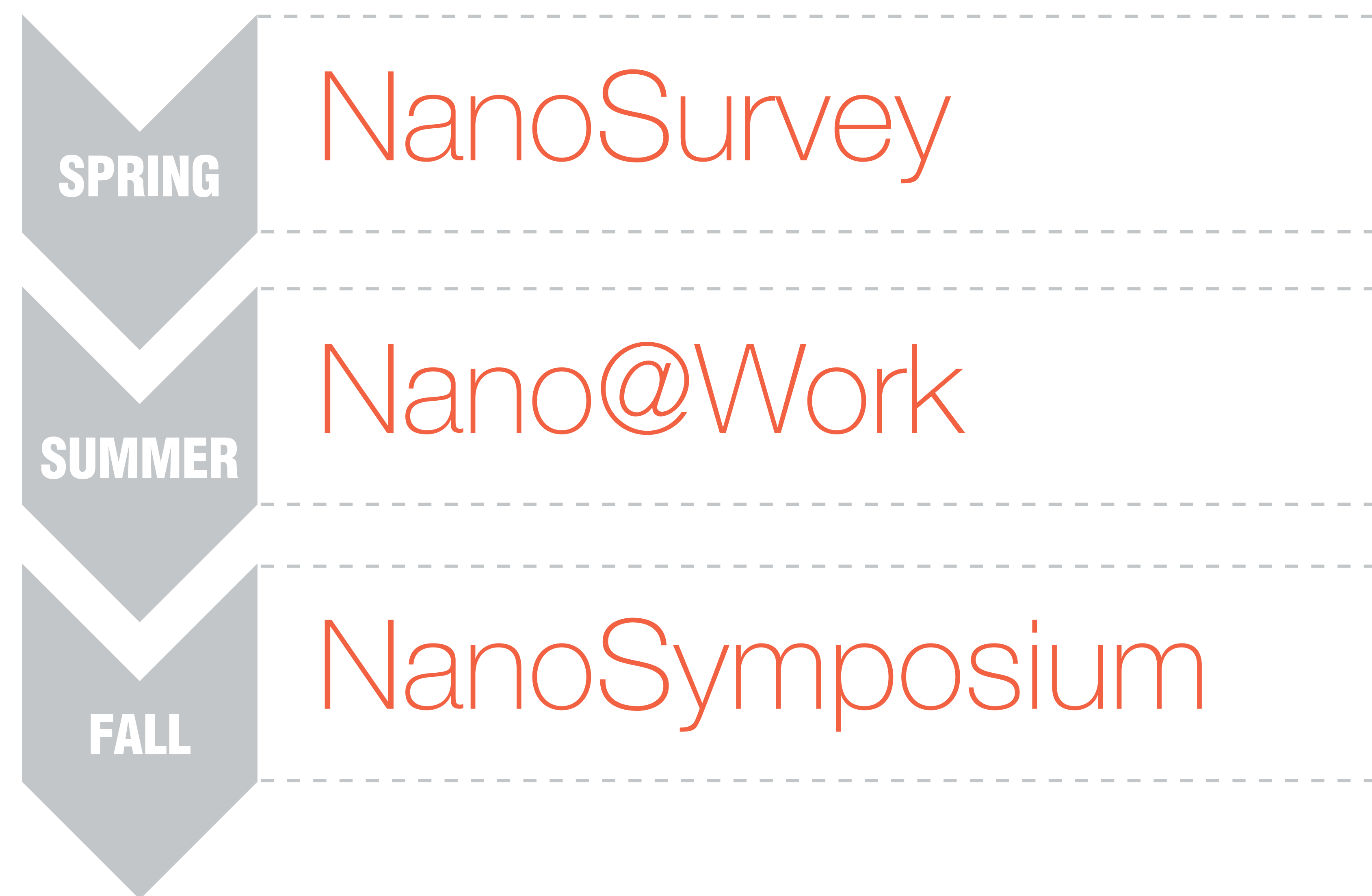
Pathways to Workforce Success

NanoExperiences: Pathways to Workforce Success

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PROJECT COMPONENTS

The purpose of *NanoExperiences* is to develop and evaluate an out-of-school time (OST) program that combines academic learning in emerging Nanoscience and Technology (NS&T) content with additional supports—setting high expectations, building background knowledge, and motivating students—to prepare high school Career and Technical Education (CTE) students for postsecondary learning leading to participation in the STEM workforce.



PARTICIPANTS

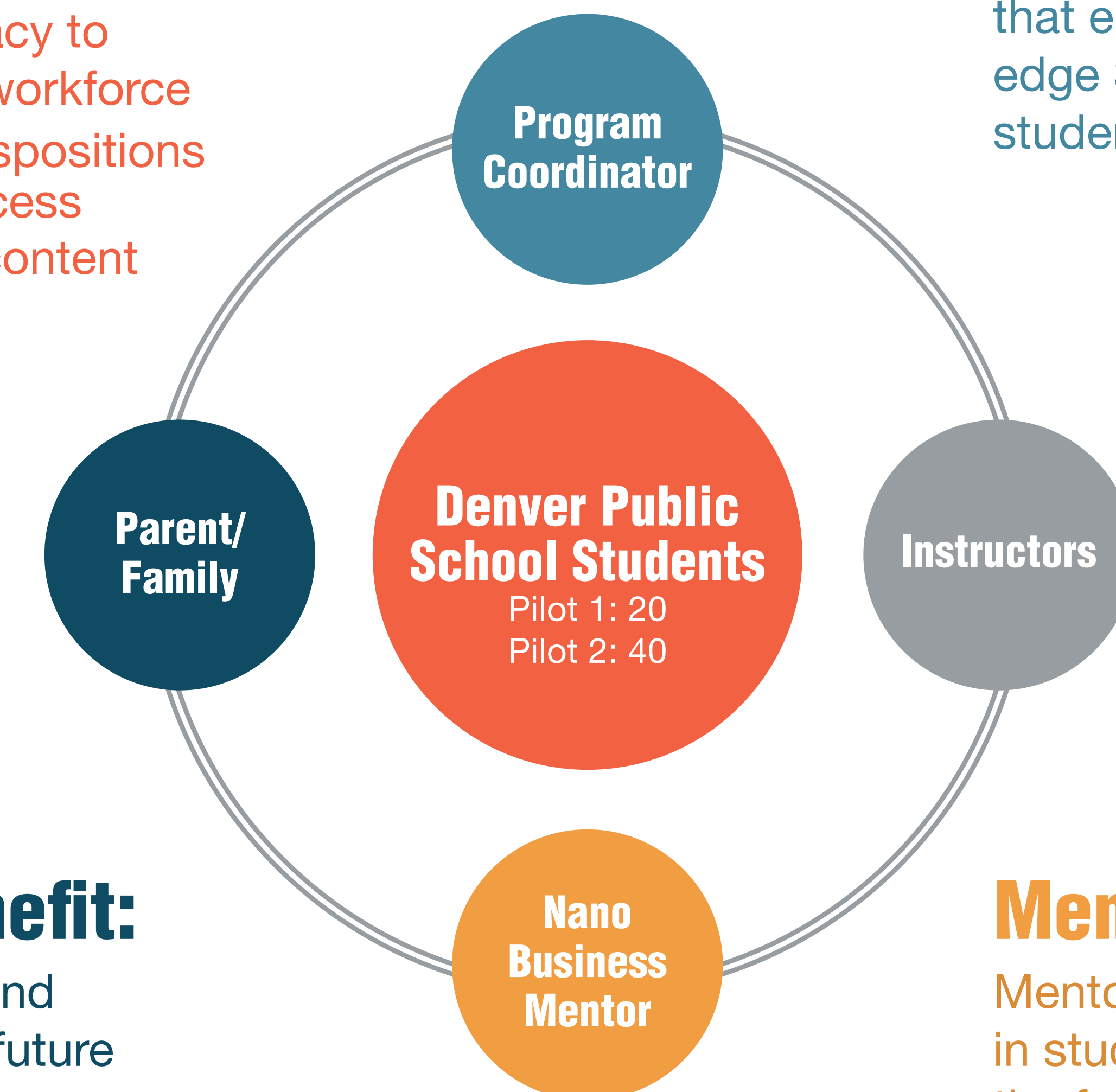
Student Benefit:

Inspired:

- motivation and self-efficacy to participate in the STEM workforce
- knowledge, skills, and dispositions for academic/career success
- understanding of NS&T content

School Benefit:

An out-of-school time program that engages students in cutting edge STEM content that connects students to career options.



Parent/Family Benefit:

- Increased expectations and aspirations for student's future school and career goals.
- Heightened understanding of STEM and NS&T careers.

Mentor Benefit:

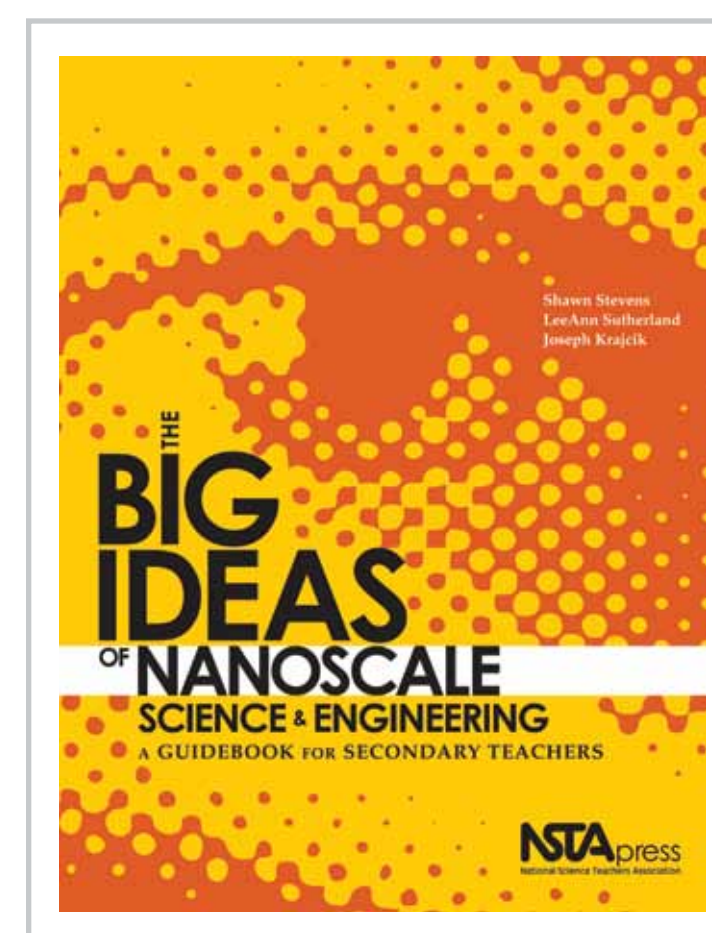
Mentors are making a difference in students' lives and developing the future workforce.

FOUNDATIONAL RESEARCH



Build students' academic background knowledge

- Science Technology and Society
- Tools and Instrumentation
- Size and Scale

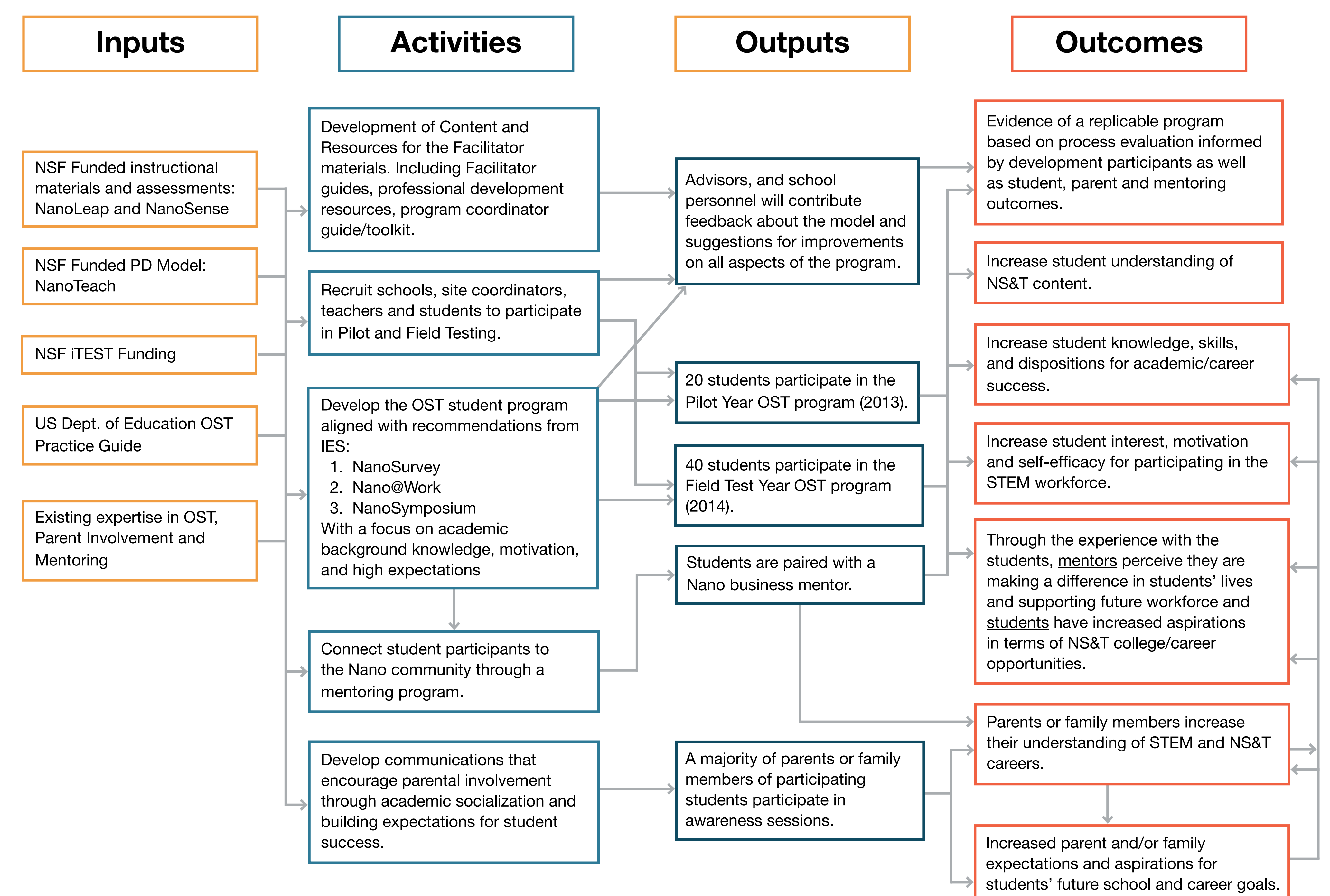


Set high expectations for students



Motivate students through real-world science laboratory experiences

THEORETICAL FRAMEWORK



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