

## Transforming Teaching through Technology

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**Abstract:** Transforming Teaching through Technology, a Teacher Quality Partnership project of the University of North Carolina at Greensboro, in partnership with Guilford County Schools and Winston-Salem/Forsyth County Schools, will address Absolute Priority 1 and Competitive Preference Priority 1 by developing an innovative, replicable model for the integration of technology in teacher education.

**Purpose:** Develop a transformational model for teacher preparation in which candidates, alongside university and school-based faculty, integrate existing and emerging technologies into P-12 instruction to ensure that students have the knowledge and skills to become lifelong learners and productive workers in the 21st century.

**Goal 1:** Reform UNCG teacher education curricula in all 23 initial teacher licensure areas.

**Goal 2:** Provide clinical experiences that are consistent with the revised teacher education curriculum, state and national standards, and the needs of partner schools.

**Goal 3:** Recruit and retain high quality, diverse teachers to work in high need schools in the partner school districts

In order to better prepare current and future teachers to thoughtfully integrate existing and emerging technology for P-12 student learning, Transforming Teaching through Technology will:

- transform approaches to P-12 teaching and learning such that instructional technology is an integral part of instruction
- move beyond enhancement (substitution & augmenting) to transformational (modifying and redefining) use of instructional technology in teaching and learning
- redesign the way teachers and teacher candidates engage and motivate P-12 students in learning
- create partner schools where teacher candidates will be engaged in instructional technology-enriched teacher education programming
- cultivate meaningful partnerships between university and schools that promote new mindsets about the integration of technology for instruction and learning

Transforming Teaching through Technology will prepare 300 teacher candidates per year with the knowledge, skills, and dispositions to intentionally integrate technology in a thoughtful and adaptive manner to promote academic learning for all students. This will be done by embedding the Technological Pedagogical Content Knowledge (TPACK) and SAMR frameworks in the teacher education curriculum and by ensuring proper modeling and scaffolding in the teacher development process through professional development from pre-service to induction.

It is expected that this project will result in public school students' increased motivation, engagement and learning through innovation, creativity, problem-solving and entrepreneurship in collaborative project-based learning environments that utilize emerging technology and 21st Century skills.

