



STEM CORTEX

IMAGINE - CREATE - PRODUCE
CHANGE THE WORLD™

LEARNING FOR ECONOMIC ADVANCEMENT RESEARCH NETWORK (LEARN)

Education is born of the hope and desire that all may share in life and "be more". The National Minority Technology Council's Looking Forward Learning for Economic Advancement Research Network (LEARN) aims to connect learning outcomes to industry needs both here in the US and abroad.

Learning for Economic Advancement Research Network

nmtc™

LEARN

STEMCortex.org

CONNECTING STEM & CTE PEDAGOGIES FOR URBAN K-12 SCHOOLS

STEMCortex is a member lead design based research project that works to innovate the connection between education, knowledge and ideas with CTE (Career and Technical Education) and STEM (Science, Technology, Engineering and Math) instructional pedagogies in public education. This applied research focuses on Title I schools in urban and rural communities with high minority populations.

PRAGMATIC CRITICAL PEDAGOGIES THAT BRING LEARNING TO LIFE

STEMCortex is a pragmatic yet innovative critical pedagogy that explores the process that best ignites the ideation of work and productivity in the classroom. It is an approach to teaching that promotes new methods where students are taken through a learning process that both brings learning to life and bridges personal responsibility and community gain.

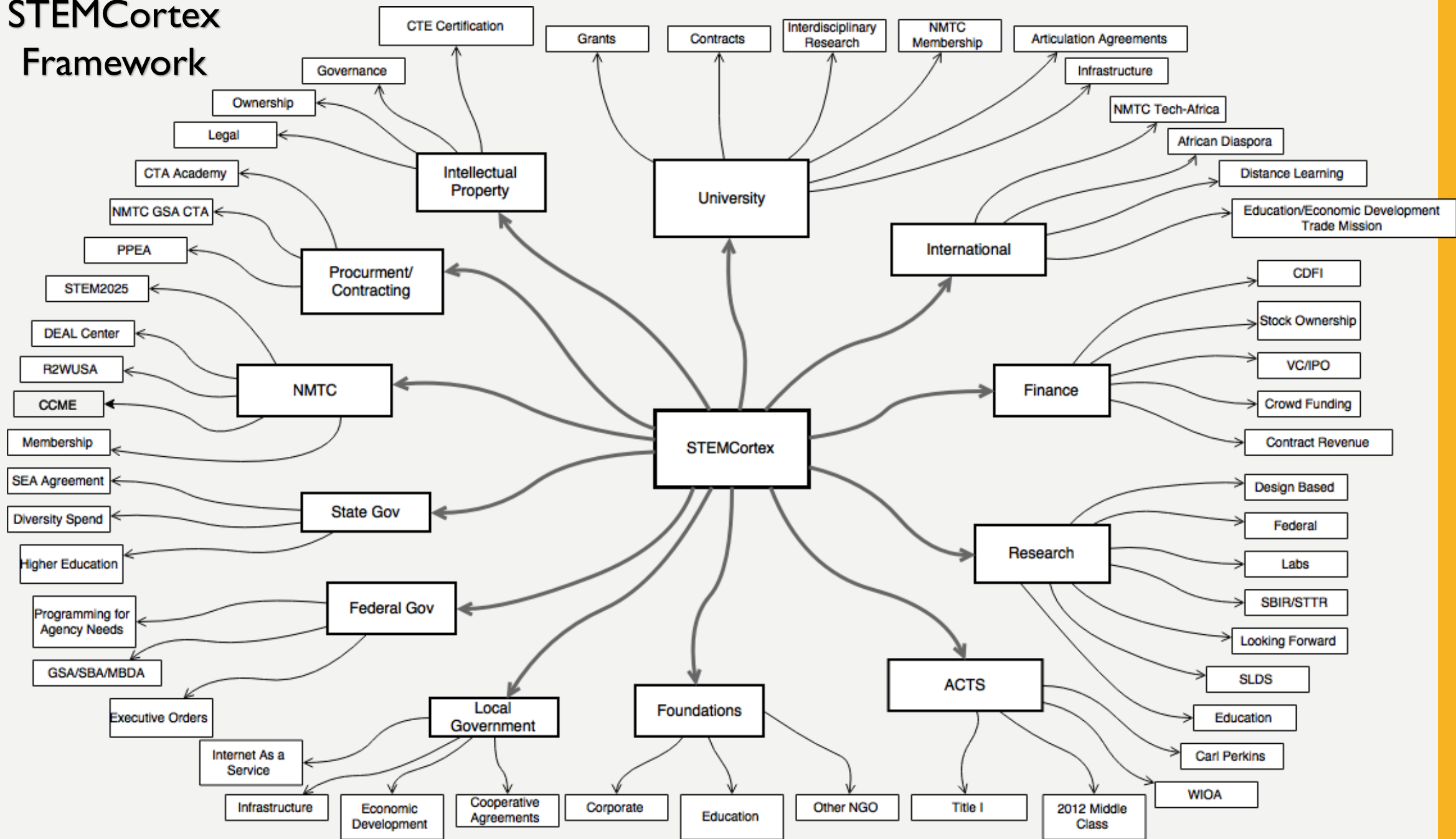
INDUSTRY LED CAREER READINESS

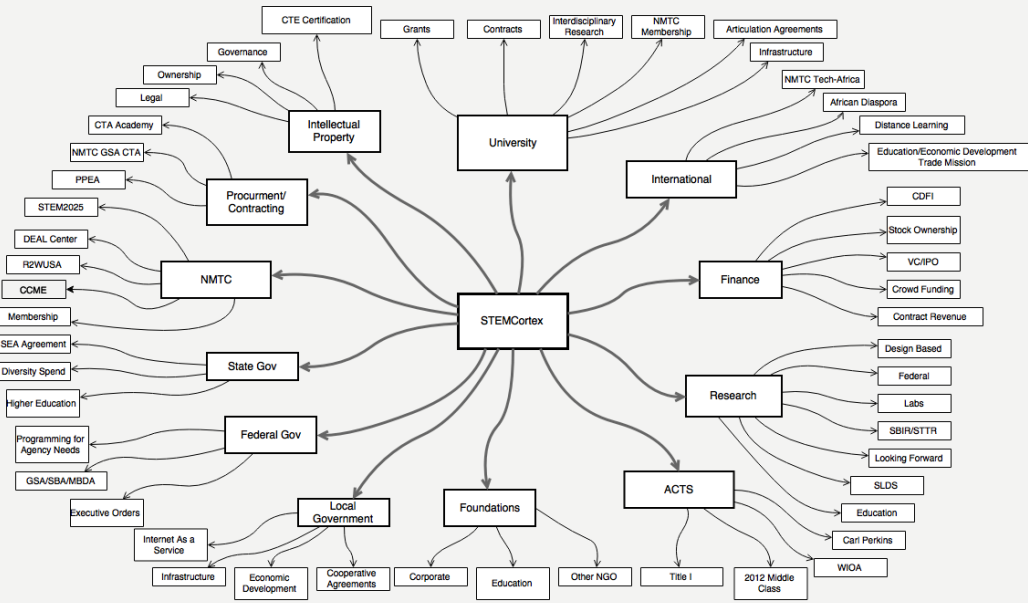
STEMCortex was initially conceived from an industry need for brilliance, capacity, and creativity among our minority community. The 21st Century knowledge economy brings the promise of high growth, high wage careers.

COMMUNITY DRIVEN CHANGE IN CULTURE AND CONTEXT

Access to these opportunities requires both a family and community driven change in expectations about work and preparation. STEMCortex explores the promise of Public Education as a change agent. STEMCortex brings an opportunity for District Wide cultural change by shifting our focus from discipline to instructional guidance, directing students in putting into practice what has been taught.

STEMCortex Framework





TM

**GOVERNMENT
EDUCATION
NGO
INDUSTRY
ALLIANCE**



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