



ASSUMPTIONS – 4-H non-formal experientially based programming addresses science abilities, concepts and content under guidance of trained 4-H learning facilitator who collaborates with science experts; 4-H develops appropriate STEM abilities to emphasize in non-formal education; 4-H essential elements create optimal youth development context for learning; 4-H reaches diverse population. Increased awareness of STEM skills, content, and career possibilities increases engagement of youth in STEM careers.

EXTERNAL FACTORS – Youth experience in schools including [with] STEM & mathematics, No Child Left Behind (course content, testing, tutoring provided in school), changing landscape of schools, community and family influence (e.g., population changes, immigration, global economy and competition in STEM education and STEM pursuits).

