



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

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

