

4-H SCIENCE



3,500 4-H Educators

532,312 Volunteers

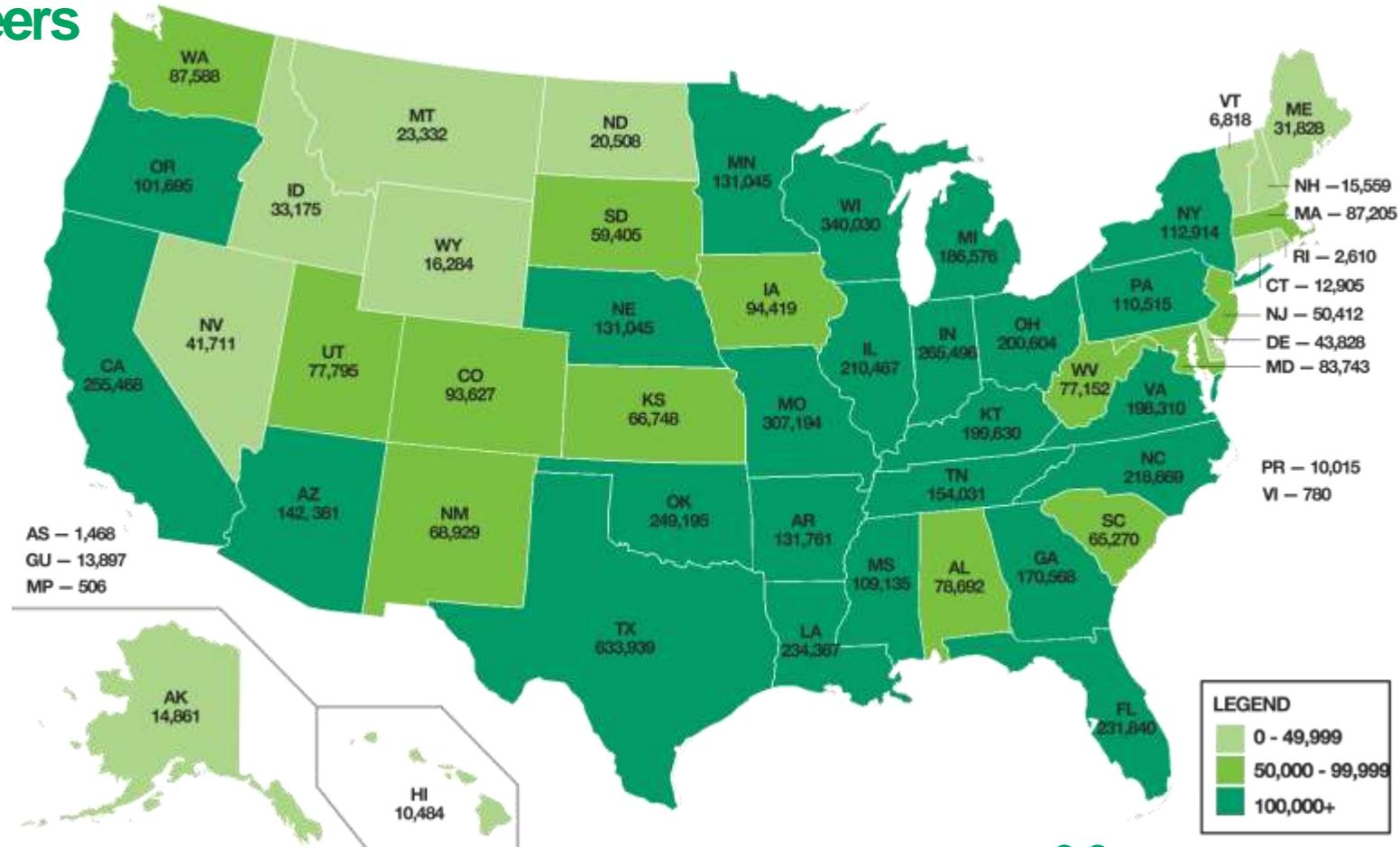
3,068 Counties

109 LGUs

**Total
Enrollment:
6,330,612**

**Male:
3,049,525**

**Female:
3,281,525**

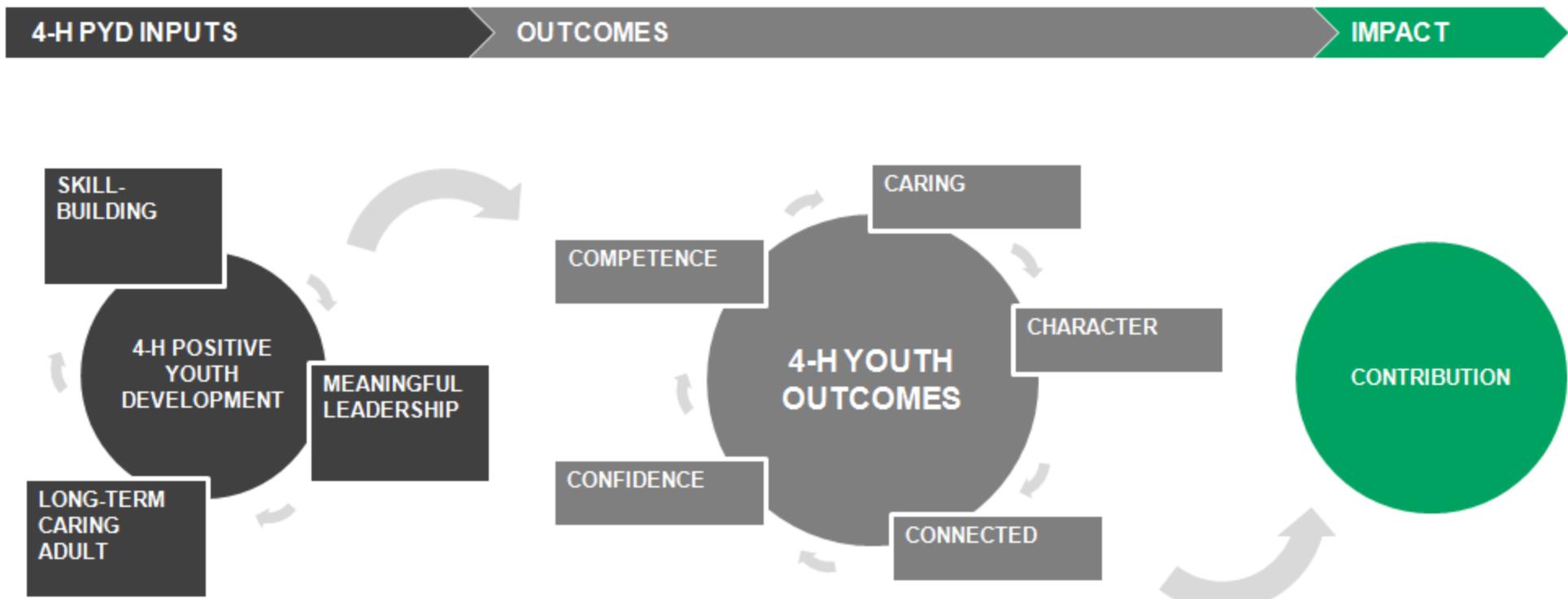


4-H IMPACT

Content and Context



4-H Youth Solution



4-H IMPACT

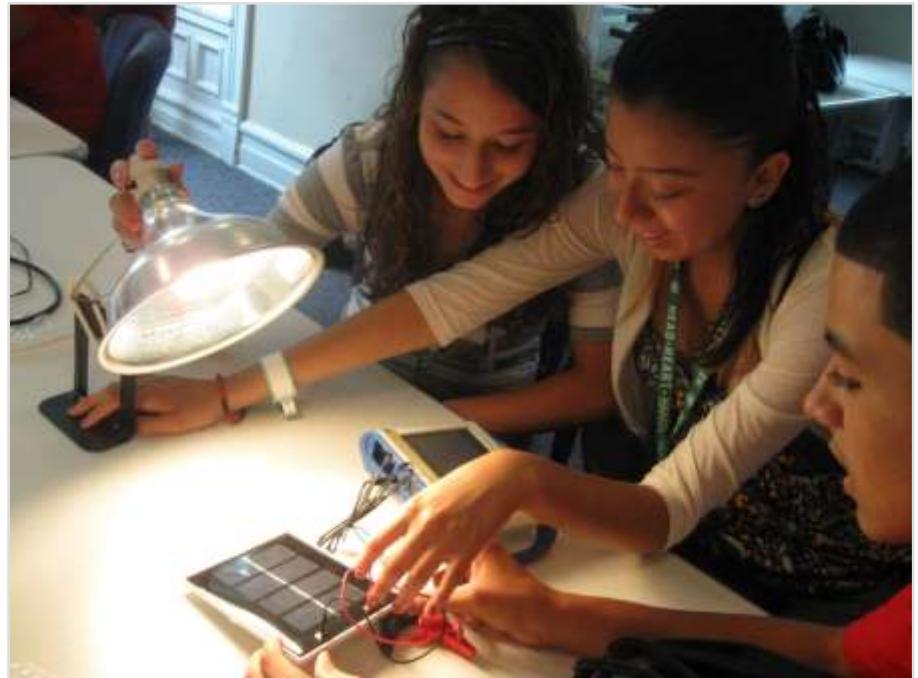
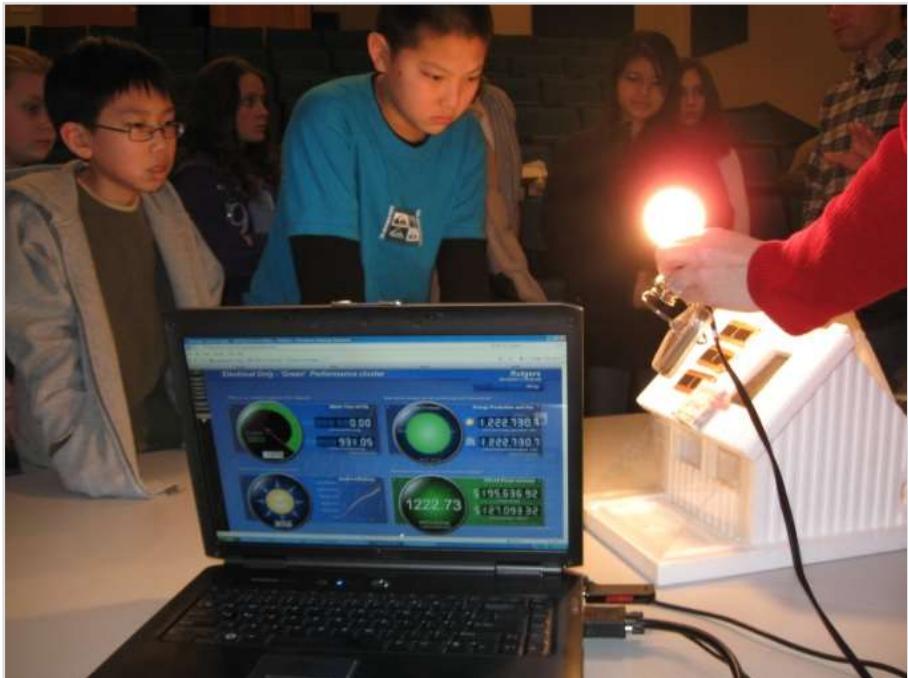
Content and Context



A Strategic Focus on STEM



4-H IMPACT



Alternative Energy



Biotechnology and Plant Sciences



Engineering and Technology



Environmental Sciences



Geospatial Technologies



4-H IMPACT



Robotics



Rocketry

4-H Program Delivery Modes



4-H Clubs

1.7 million
participants



4-H Camps/Summer

475,000
participants



4-H Afterschool
Groups

400,000
participants



4-H School Enrichment
Programs

3.4 million
participants



4-H IMPACT

4-H Science National Infrastructure



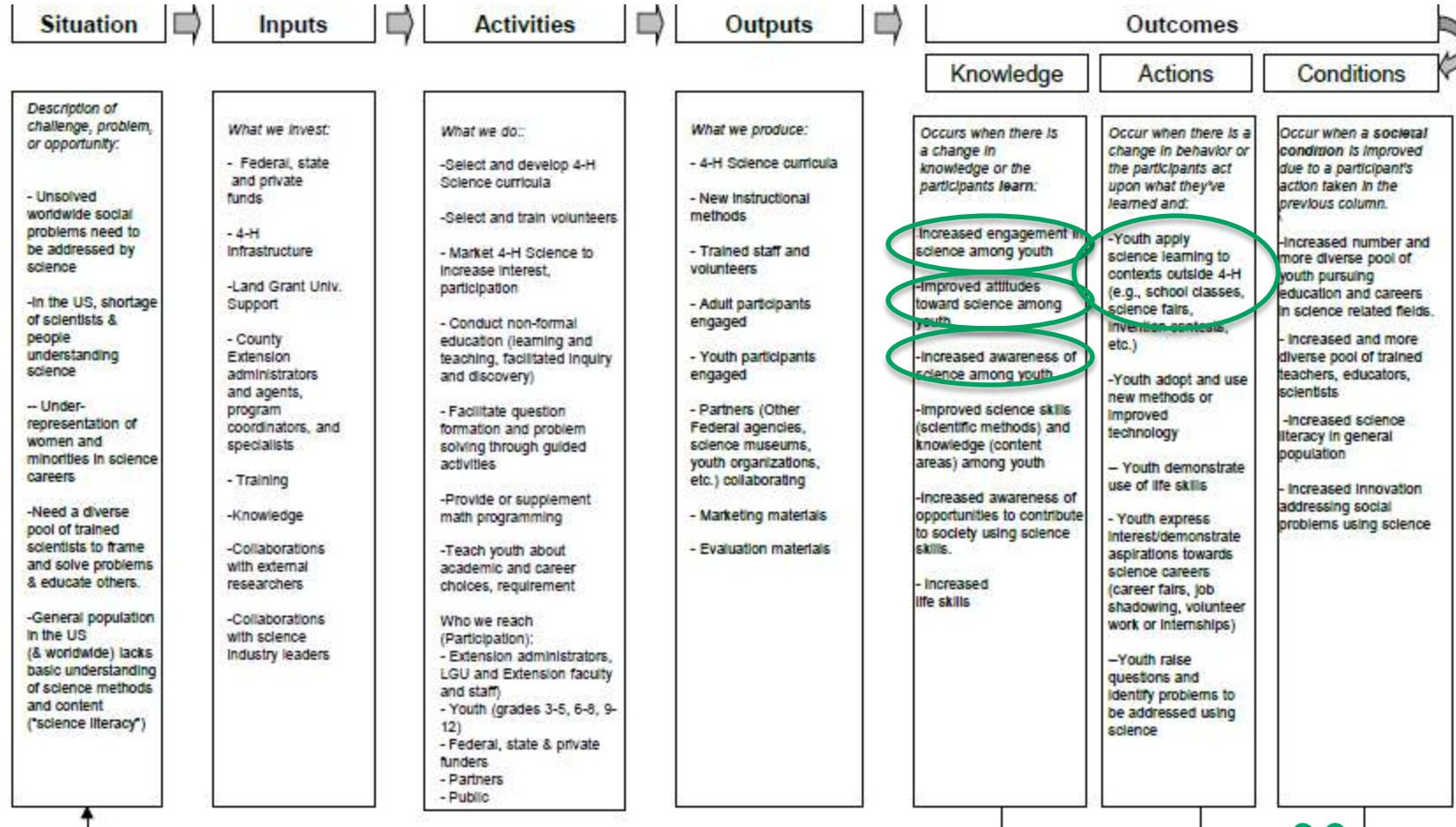
National Management Team
Regional Science Teams
LGU 4-H Science Liaisons
LGU 4-H Science Plans of Action
County Programs
4-H Science Logic Model
4-H Science Checklist



4-H IMPACT

Program Design

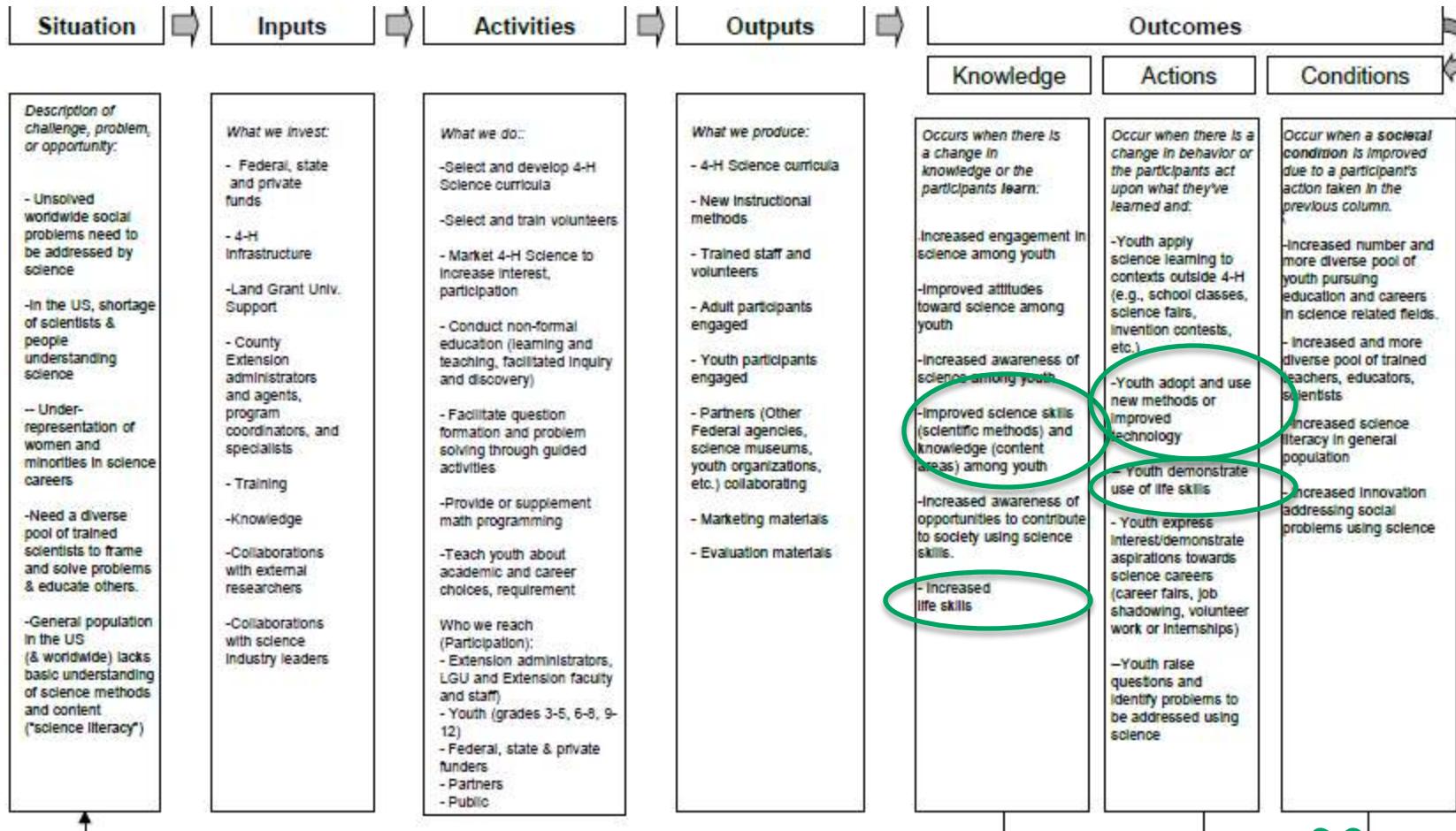
“I like to do this.”



4-H IMPACT

Program Design

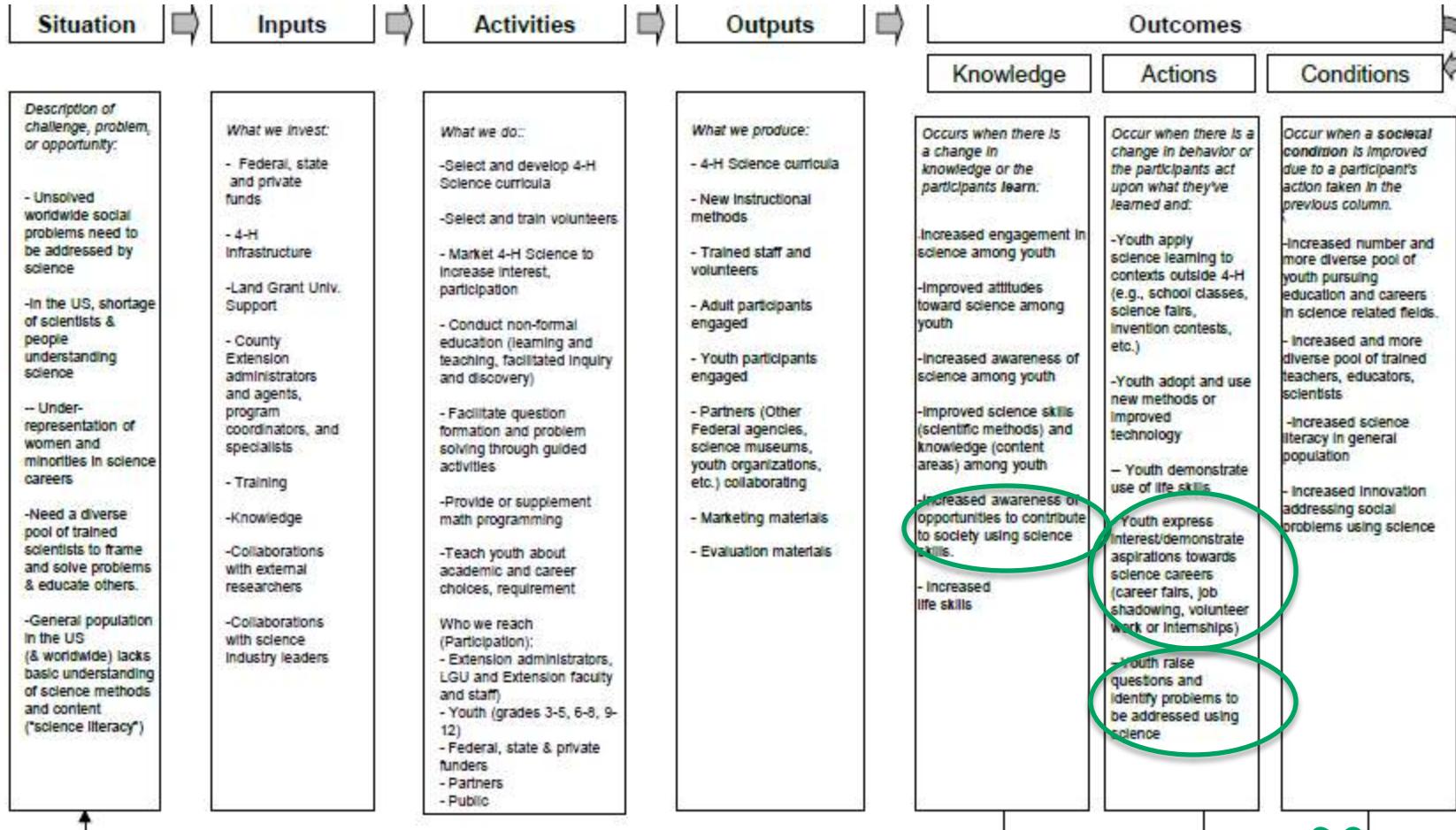
“I can do this.”



4-H IMPACT

Program Design

“This is important to me.”



4-H IMPACT

4-H Science Outcomes

- Interest and engagement in Science
- Develop Science skills and abilities
- Positive attitudes and aspirations toward Science
- Apply learning, make a contribution through Science



“Science Ready” Checklist

Next Generation Science Standards

4-H Science Abilities

Essential Elements of PYD

Trained, Caring Adult as Co-Learner

Experiential Approach to Learning

Inquiry Approach to Learning

Frequency and Duration

4-H
SCIENCE
high quality STEM
programming



4-H IMPACT

4-H Science Professional Development



4-H Science Logic Model
4-H “Science Ready” Checklist
4-H Science 101 Guide
4-H Science Competencies
Self-Assessment
Inquiry Based Learning
Experiential Learning
Promising Practices
4-H Science Academies –
National, Regional, e-Academy

Additional 4-H Science Strategies



- National Youth Science Day
- National Youth STEM Summits
- Continued Focus on Underrepresented and Underserved Youth
- New Models of Volunteerism
- Increased Collaboration with other National Youth Organizations



4-H IMPACT



4-H SCIENCE THANK YOU

FOR MORE INFORMATION

<http://www.4-h.org/resource-library/professional-development-learning/science-training-guides-resources/>
<http://www.4-h.org/about/youth-development-research/science-program-research/>

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www.4-H.org