Getting the most out of Common Measures 2.0

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Introduction to Common Measures

4-H Common Measures

- Library of evaluation instruments
  - Measure impact
  - Build evaluation capacity
- Describe 4-H consistently and simply
- Measures applicable to a broad range of programs
- Available to all 4-H faculty and staff
  - Open access
  - Free!

4-H COMMON MEASURES

Iterative Design Process

- Framed by the 4-H Logic Models and PYD literature
- Content and evaluation experts
- Guided and vetted by organizational partners
  - National 4-H Headquarters
  - National 4-H Council
  - Land Grant Universities
- Pilot tested with youth

Timeline

- 2012 – Development began
- 2013 – Launch of CM 1.0
- 2014 – College/Career Readiness
- 2015 – Reporting Template
- 2016 – Revisions began
- 2017 – Launch of CM 2.0
- 2018 – Challenge Cohort

4-H COMMON MEASURES

Review and Revisions

Nebraska Academy for Methodology, Analytics and Psychometrics.

MAP Academy's Charge

- Address positive response bias
- Improve Readability
- Appropriate and Relevant scales
- Redesign the Universal survey
  - include theory related to character and positive youth development.
- Develop 4-H Experience scale
- Create a survey protocol

4-H COMMON MEASURES

Revisions Process

- Youth and Adult Focus Groups
- Youth cognitive interviews
- Pilot of surveys

Scholarship resulting from MAP Activities

Arthur, A., Howell Smith, M., Hawley, L.R., White, A., & Koziol, N. (2016, November). *Advances in Questionnaire Design for Youth.* Paper presented at the International Conference on Questionnaire Design, Development, Evaluation and Testing (QDET2), Miami, FL. ***Student paper award***

Arthur, A. M., Koziol, N., Hawley, L., Howell Smith, M. C., Stevens, J. & Bovaird, J. (2017, August). The impact of negative valence on instrument response times. Poster to be presented at the American Psychological Association annual meeting, Washington, DC.

Hawley, L.R., Howell Smith, M., Arthur, A., White, A., Koziol, N., Stevens, J., Birnstihl, B., Lingard, J., Bauman, J. (2017, April). *Creating a Brief Tool for Measuring Positive Youth Development: Applying Validity Theory in Scale Development.* Paper to be presented at the American Educational Research Association Conference, San Antonio, TX.

Howell Smith, M., Arthur, A., Hawley, L.R., & Koziol, N. (2017, April). *Expanding Mixed Methods Instrument Development Designs.* Paper to be presented at the American Educational Research Association Conference, San Antonio, TX.

Howell Smith, M., Arthur, A., Hawley, L. R., & Koziol, N. A. (2016, April). *What happens in the "→"?: Expanding mixed methods instrument development designs.* Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.

Koziol, N., Arthur, A. M., Hawley, L., Howell Smith, M. C., & Stevens, J. (2017, August). Examining the impact of negative valence on factor structures. Poster to be presented at the American Psychological Association annual meeting, Washington, DC.

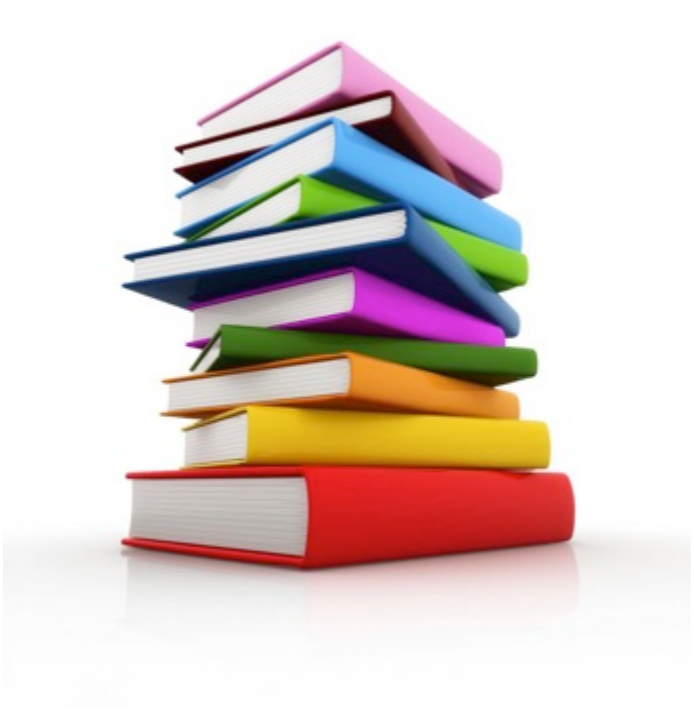
4-H COMMON MEASURES

CM 2.0 Library

www.4-h.org/commonmeasures

What's in the Library?

- 6 Survey Instruments
  - 4-H Experience Measure
  - Universal Measure
  - Outcome Measures in the following areas:
    - Science
    - Healthy Living
    - Citizenship
    - College/Career Readiness

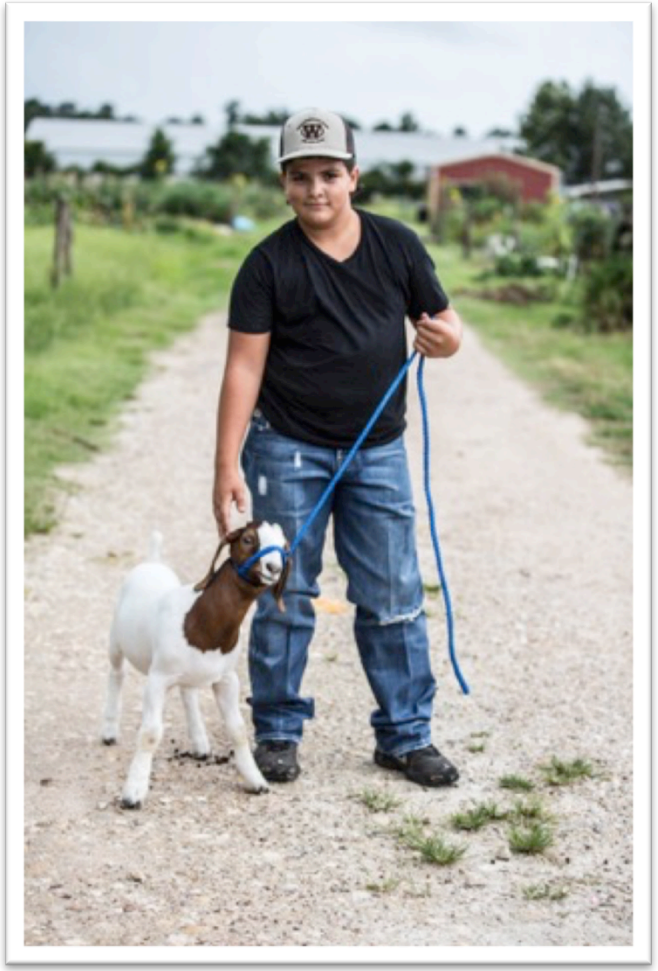


- New! core and supplemental items for each area!
- Developed for youth in grades 4-12th (unless specified to be used with grades 8-12th only)

4-H Experience Measure

- Items designed to assess the youth program experience as described by the Essential Elements
  - Positive relationship with a caring adult
  - Inclusive environment
  - Safe environment
  - Engagement in learning
  - Opportunity for mastery
  - Opportunity to be an active participant in the future
  - Opportunity for self-determination
  - Opportunity to value and practice service for others

- This is a single scale and items should not be used independently.

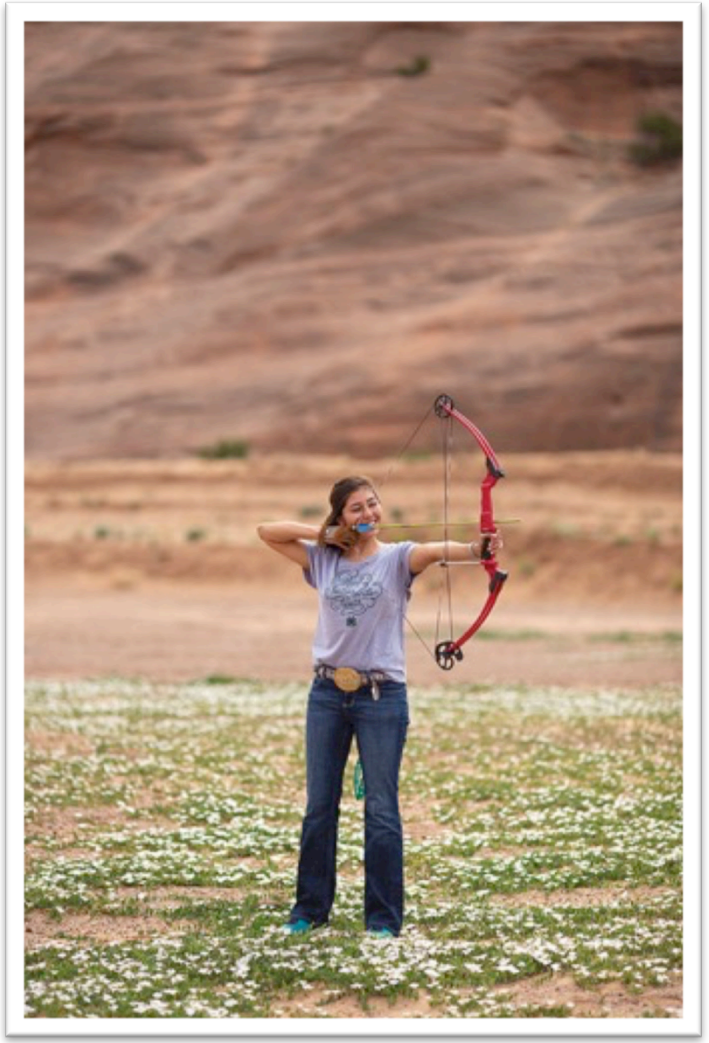


4-H COMMON MEASURES

Universal Measure

- An instrument designed to assess the non-cognitive outcomes of 4-H programming
  - Social Skills *(Communicate, leadership, value, respect, etc)*
  - Personal Mindset *(growth mindset, persistence, etc)*

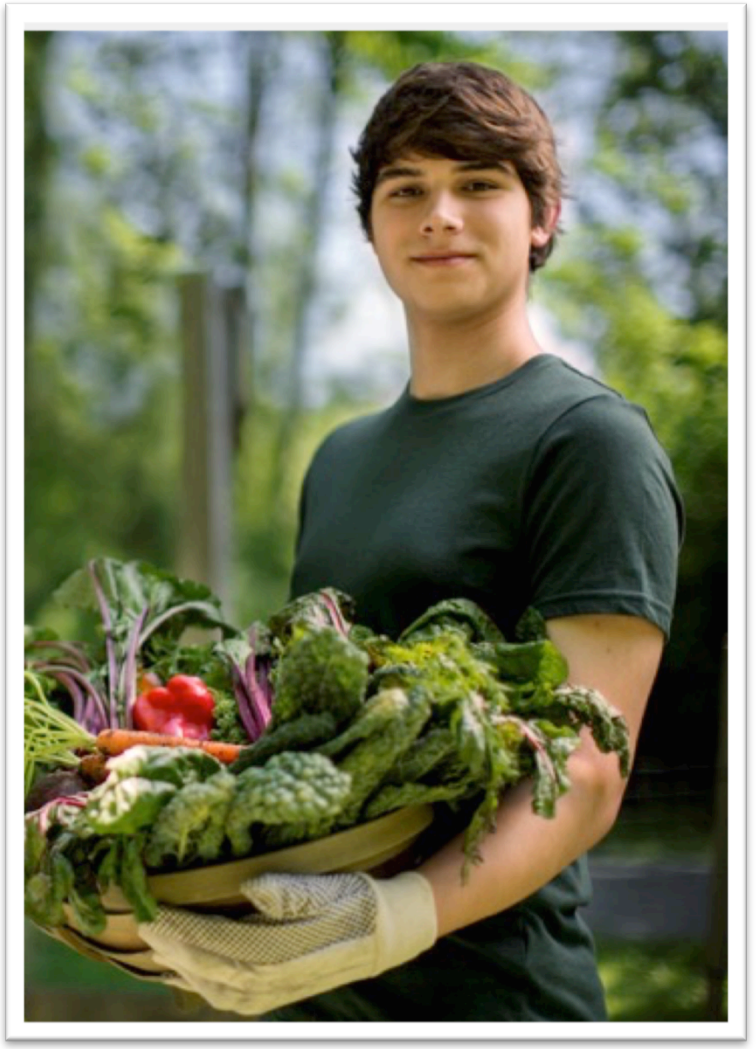
- This is a single scale and items should not be used independently.



4-H COMMON MEASURES

Citizenship

- Items designed to assess the citizenship outcomes as described by the 4-H Logic Model
  - Interest in Community Service & Giving Back
  - Community Awareness



4-H COMMON MEASURES

College and Career Readiness

- Items designed to assess outcomes related to college and career readiness (8th – 12th grade)
  - Professionalism College
  - Decision Making
  - Career Decision Making

4-H COMMON MEASURES

Healthy Living

- Items designed to assess the healthy living outcomes as described by the 4-H Logic Model
  - Healthy Eating Habits
  - Being Active
  - Healthy Decision Making
  - Food Preparation

Science

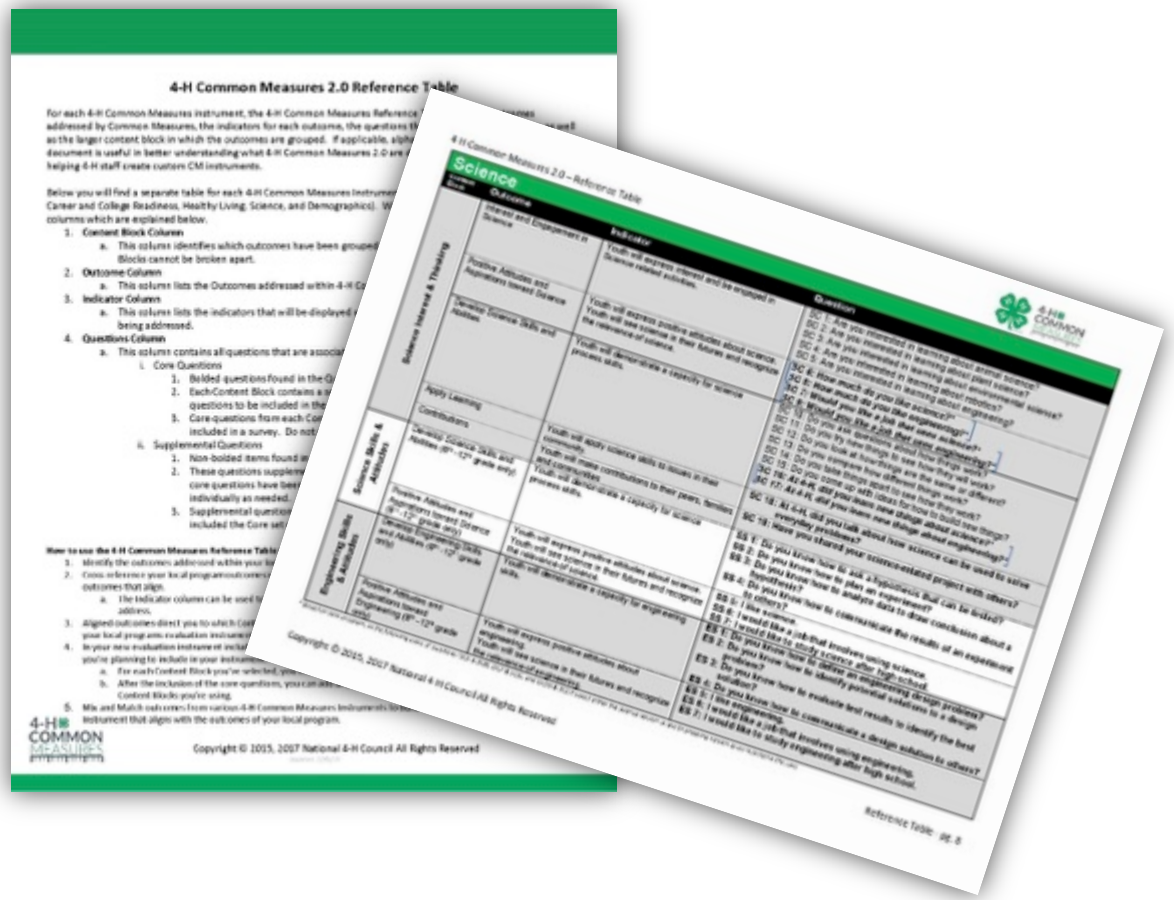
- Items designed to assess the science and engineering outcomes as described by the 4-H Logic Model
  - Science Interest & Thinking (4th – 12th grade)
  - Science Skills & Attitudes (8th – 12th grade)
  - Engineering Skills & Attitudes (8th – 12th grade)

4-H COMMON MEASURES

Developing YOUR Survey

CM Reference Table

- Identifies outcomes and indicators addressed by CM instruments
- Resource to develop custom surveys
  - Mix and match content blocks
  - Add custom questions
- Resource for program planning
  - Align program outcomes with CM outcomes
  - Allow CM outcomes to shape program
- Resource for Reporting
  - Improve ability to communicate impacts



4-H COMMON MEASURES

How to build YOUR Survey

CM REFERNCE TABLE

1. Identify Program Outcomes
2. Look for alignment – Program Outcomes and CM Outcome *(Tip - Use Indicator Column)*
3. Include Content Block where alignment is found
4. For each content block, select core items, then add supplemental as needed. Repeat for each new block.

4-H Common Measures 2.0 – Reference Table

College and Career Readiness (8th -12th grade only)

Content Block	Outcome	Indicator	Question
Professionalism	Contextual information		PR 2: Do you currently have a job?
	Professional Communication (8th -12th grade only)	Youth will demonstrate professional communication appropriate to the academic and workplace context	PR 1: Have you ever applied for a job? PR 3: Do you have a résumé? PR 9: At 4-H, did you work on your résumé? PR 10: At 4-H, did you learn how to prepare for an interview? PR 11: At 4-H, did you do a mock interview? **PR 12: At 4-H, did you learn how to act professionally?** PR 13: At 4-H, did you talk about how to have a professional image on social media?
	Intrapersonal Skills (8th -12th grade only)	Youth will develop and demonstrate the social and emotional skills (e.g. ethics, conscientiousness, personal responsibility, collaborating across differences) necessary for academic or workplace success.	**PR 4: Is it important to arrive on time for work?** **PR 5: Is it important for you to be trusted by an employer?** **PR 6: Is it important for you to do your job well?** **PR 7: Is it important for you to show respect for others?** **PR 8: Is it important to have a professional image on social media?**
	Contributions (8th -12th grade only)	Youth will make contributions to their peers, families and communities	PR 14: Have you encouraged your friends to have a professional image on social media?
College Decision Making	Decision Making and Problem Solving – School/ College (8th -12th grade only)	Youth will make informed decisions about college aspirations that are personally meaningful	CG 1: Do you have an idea of what you would like to major in? **CG 2: At 4-H, did you research colleges?** **CG 3: At 4-H, did you tour a college?** **CG 4: At 4-H, did you learn about scholarships?** **CG 5: At 4-H, did you learn about the college application process?** CG 6: How much have you thought about how to pay for college? CG 7: Have you filled out the FAFSA (Free Application for Federal Student Aid)? **CG 8: At 4-H, did you learn about colleges that might be a good fit for you?** **CG 9: How much has 4-H helped you in your decisions about college?** CG10: Have you shared what you learned about preparing for college with others?

NOTE: Bolded questions represent the core set of questions for that content block. Non bolded questions are supplemental questions.

Data Collection and Reporting

Collecting and Reporting

- Data Collection
  - Paper and pencil
  - Electronic - Qualtrics
    - National 4-H Council account
    - LGU issued accounts

- Reporting Impacts
  - CM Reporting Template
  - Qualtrics

  - Increase Impact:
    - Combine Quantitative CM data with Qualitative data
    - Use Reference Table to help communication

Resource Suite

Resource Suite

- www.4-h.org/commonmeasures

- CM 2.0 Resources
  - Reference Table
  - Protocol
  - Core and Full Instruments - .doc
- Reporting Template
- Learning Modules - eXtension
- Office Hours – Archived Recordings
- IRB Guide
- FAQ Guide
- Logic Models

4-H COMMON MEASURES

Office Hours

- Informal Q&A open to all
  - Submit Questions
    - Common Measures
    - Qualtrics
  - Recordings archived
    - 4-h.org/commonmeasures

- When?
  - 4th Monday of Every month
  - 11:00-12:00 CT

- Register: http://go.unl.edu/officehours

THANK YOU

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Thank You.

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