Findings from Analysis of Draw-a-Scientist Test, Summer 2014

Sandy Marshall
Project Scientist Academy
Elizabeth Stearns, Ph.D.
UNCC Department of Sociology
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Draw-A-Scientist Test

- Children were given the direction to "draw a picture of a scientist"
 - Provided with crayons and pencils
 - Monday and Friday mornings of each week they spent at camp



DAST Coding

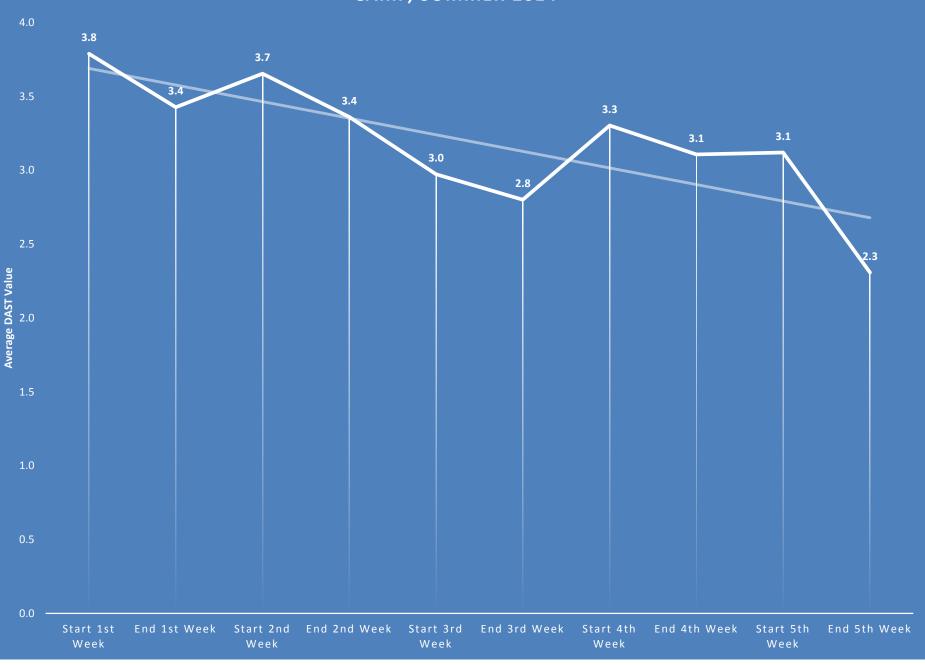
Standard scale

- DAST-C
- Multiple coders used to establish reliability
- Scale ranges from 0-15
- Higher scores represent more stereotypical views of science/scientists

DAST-C Items include:

- Lab coat
- Eyeglasses
- Facial hair
- Male scientist
- Indications of danger
- Technology (computers, microscopes)

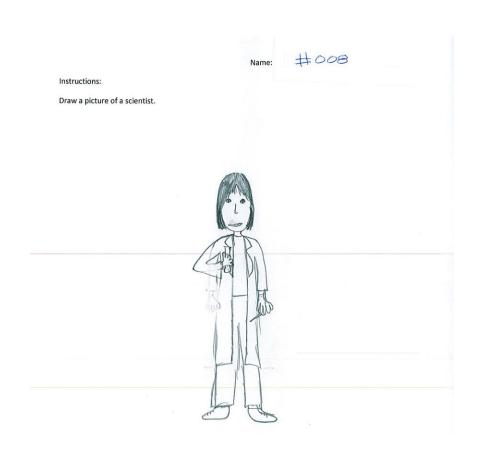
AVERAGE DAST-C VALUES BY NUMBER OF WEEKS SPENT AT PROJECT SCIENTIST CAMP, SUMMER 2014

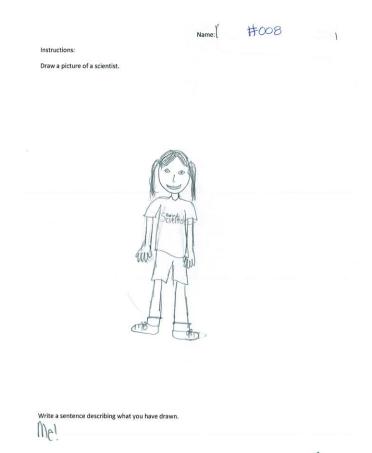


Findings

- Students began the camp with fairly unstereotypical ideas of who a scientist is and what a scientist does relative to others in their age cohorts
- At the end of the week, students had less stereotypical depictions of who a scientist is/what a scientist does
- Students who spent five weeks at camp drew the least stereotypical pictures

DAST Comparison: Scientist Becomes Less Stereotypical, Age 10







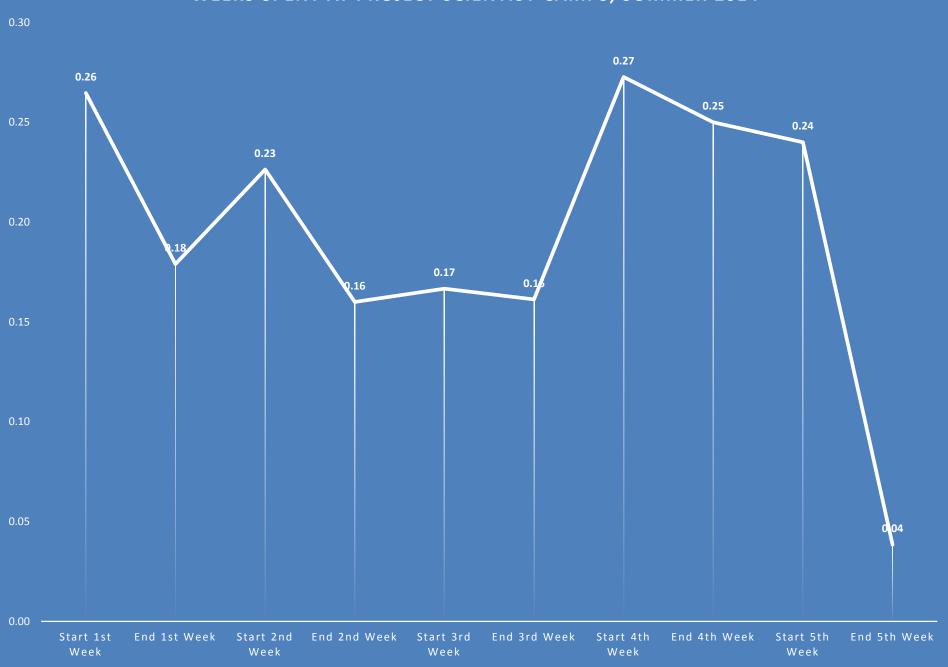
DAST Comparison: Fewer Symbols of Science in End of Week Drawing, Age 6







PERCENTAGE OF DAST DRAWINGS SHOWING MALE SCIENTISTS BY NUMBER OF WEEKS SPENT AT PROJECT SCIENTIST CAMPS, SUMMER 2014



Findings

- One item on the DAST-C is the depiction of male scientists
- Pictures were coded as showing male scientists if ONLY male scientists were shown
- Children were less likely to draw male scientists at the end of each week of camp than at the beginning
- Those who spent five weeks at camp were least likely to depict only male scientists



DAST Comparison: Male Scientist at Beginning of Week, Age 6

Name: # 083

Instructions:

Draw a picture of a scientist.

Name: # 083







DAST Comparison: Girl "Observing" at Beginning of Week Becomes "Scientist" at End of Week, Age 11

