



4-H Science Core Competency

SAFE ENVIRONMENT

- 1 I conduct myself in a calm manner
- 2 I reduce or eliminate physical and environmental hazards
- 3 I re-emphasize ground rules related to conduct
- 4 I intervene when safety demands it



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INCLUSIVE ENVIRONMENT (Belonging)

- 1 I help youth feel welcome and part of a group
- 2 I establish a climate of fairness and openness
- 3 I cultivate a sense of togetherness among youth
- 4 I serve as a role model for inclusion and tolerance
- 5 I initiate, sustain, and nurture group interactions and relationships



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ENGAGEMENT IN LEARNING

- 1 I create opportunities for problem-solving via discussion, debate, and negotiation
- 2 I work with youth to establish appropriate goals for their age
- 3 I provide opportunities for youth to link their experiences to the real world
- 4 I use a variety of questioning and motivational approaches
- 5 I use multiple learning approaches to meet learner's needs



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CARING ADULT

- 1 I use language of respect
- 2 I demonstrate shared leadership through youth-adult partnerships
- 3 I encourage youth to think about what they are learning
- 4 I encourage learners when they experience setbacks
- 5 I offer praise and encouragement when youth take initiative and leadership



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VALUES AND PRACTICES SERVICE TO OTHERS

- 1 I encourage youth to contribute to the communities in which they live
- 2 I voice support for giving back to the community through service
- 3 I believe in science's role in improving communities
- 4 I provide opportunities for youth to link their experiences to citizenship
- 5 I identify opportunities for youth to become civically engaged



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OPPORTUNITIES FOR MASTERY

- 1 I suggest challenges that can be explored by direct investigation
- 2 I encourage youth to make predictions
- 3 I allow youth to conduct formal and open-ended tests and experiments
- 4 I have youth discuss their findings with each other and evaluate evidence critically
- 5 I encourage youth to share their knowledge by teaching others and leading new activities
- 6 I provide opportunity for youth to use appropriate technology



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OPPORTUNITIES FOR SELF-DETERMINATION

- 1 I provide experiences that encourage youth to share evidence
- 2 I identify opportunities for youth to compare claims with each other
- 3 I articulate strategies for data collection and analysis
- 4 I work with youth to identify sources of information
- 5 I provide opportunities for youth to determine program expectations and direction



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SEE ONESELF IN THE FUTURE (Sense of Hope)

- 1 I project an optimistic, positive manner
- 2 I reinforce the idea that all youth can succeed
- 3 I offer positive encouragement and support even in the face of setbacks
- 4 I talk about the future and youth's role in it