

# 4-H Science Inquiry Model

**Coach-lead/  
processed  
activities**

1. Determine what learners know or have observed. Identify knowledge gaps or misunderstandings.

2. What do learners want to know? What questions do learners have?

**Learner-/  
team-driven  
activities**

3. Team asks a question that they can explore through scientific investigation.

12. Team redesigns question or asks a new question that can be explored through scientific investigation.

4. Team designs a simple scientific investigation.

5. Team selects appropriate equipment to collect data, designs a data sheet (if needed).

6. Team collects data and completes data sheet.

7. Team describes their investigation and their reactions.

8. Team thinks critically and logically to make the relationship between evidence and explanations and presents their analysis of the findings.

9. Through group discussion, apply findings to everyday experiences or real-world examples.

10. Are all teams/learners satisfied with the proposed analysis of findings?

11a. Yes: Move on to the next inquiry.

11b. No.

**Do**

**Share**

**Process**

**Apply**