

| <u>Scientific Thinking Assessment:</u> Please respond to the following statements. | | | | | | |
|--|-------------------|----------|-------------------|----------------|-------|----------------|
| | Strongly Disagree | Disagree | Somewhat Disagree | Somewhat Agree | Agree | Strongly Agree |
| I ask questions. | 1 | 2 | 3 | 4 | 5 | 6 |
| Provide evidence for your rating: | | | | | | |
| Plans for further development: | | | | | | |
| I define problems scientifically. | 1 | 2 | 3 | 4 | 5 | 6 |
| Provide evidence for your rating: | | | | | | |
| Plans for further development: | | | | | | |
| I seek evidence. | 1 | 2 | 3 | 4 | 5 | 6 |
| Provide evidence for your rating: | | | | | | |
| Plans for further development: | | | | | | |
| I make plans/decisions based on evidence. | 1 | 2 | 3 | 4 | 5 | 6 |
| Provide evidence for your rating: | | | | | | |
| Plans for further development: | | | | | | |
| I consider implications and applications of plans/decisions. | 1 | 2 | 3 | 4 | 5 | 6 |
| Provide evidence for your rating: | | | | | | |
| Plans for further development: | | | | | | |
| I continually revise and reflect. | 1 | 2 | 3 | 4 | 5 | 6 |
| Provide evidence for your rating: | | | | | | |
| Plans for further development: | | | | | | |

Adapted from: Williams, W. M., Papierno, P. B., Makel, M. C., & Ceci, S. J. (2004). Thinking like a scientist about real-world problems: The Cornell institute for research on children science education program. *Appl Devel Psych*, 25, 107-126.