|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Composite Theme** | **ELE Participation** | | | **Gender** | | | **Previous Experience** | | |
| *t* | *df* | *P* | *t/W* | *df* | *P* | *t* | *df* | *P* |
| **Pre-Training Survey Scores** | | | | | | | | | |
| Spider Interest | 2.986 | 30.0 | 0.006 \*\* | 0.448 | 25.5 | 0.658 |  |  |  |
| Spider Phobia | 0.311 | 38.8 | 0.757 | 505 |  | 0.020 \* |  |  |  |
| Intent to Engage | 2.639 | 41.3 | 0.012 \* | 0.724 | 27.9 | 0.475 | 1.255 | 65.5 | 0.214 |
| Attainment Value | 2.203 | 30.8 | 0.035 \* | 1.000 | 38.3 | 0.324 | 0.072 | 57.2 | 0.943 |
| Cost Belief Value | 3.033 | 30.7 | 0.005 \*\* | 0.026 | 25.8 | 0.980 | 0.865 | 64.0 | 0.390 |
| Sci Comm Confidence | 0.914 | 57.6 | 0.364 | 0.147 | 30.5 | 0.884 | 0.536 | 63.4 | 0.594 |
| Comm Confidence | 1.058 | 47.8 | 0.296 | 0.233 | 27.8 | 0.818 | 1.018 | 63.1 | 0.313 |  |
| Science Identity | 2.208 | 29.8 | 0.035 \* | 0.619 | 40.2 | 0.539 | 1.784 | 60.3 | 0.079 |
| Echo Chambers | 0.981 | 29.3 | 0.335 | 0.849 | 34.2 | 0.402 | 0.935 | 65.8 | 0.354 |
| **Shift in Composite Score from Pre- to Post-Training Survey** | | | | | | | | | |
| Spider Interest | 1.503 | 32.5 | 0.143 | 0.277 | 25.1 | 0.784 |  |  |  |
| Spider Phobia | 0.930 | 48.4 | 0.357 | 0.127 | 17.2 | 0.900 |  |  |  |
| Intent to Engage | 0.709 | 27.0 | 0.485 | 2.140 | 23.9 | 0.043 \* | 0.378 | 64.9 | 0.707 |
| Attainment Value | 0.851 | 32.9 | 0.401 | 0.406 | 25.8 | 0.688 | 0.693 | 55.3 | 0.491 |
| Cost Belief Value | 0.192 | 22.4 | 0.850 | 1.509 | 31.1 | 0.141 | 0.594 | 59.3 | 0.554 |
| Sci Comm Confidence | 2.533 | 44.1 | 0.015 \* | 0.873 | 34.2 | 0.389 | 0.677 | 58.0 | 0.501 |
| Comm Confidence | 0.609 | 50.5 | 0.545 | 1.567 | 21.7 | 0.132 | 0.919 | 65.8 | 0.361 |
| Science Identity | 1.760 | 31.4 | 0.088 | 1.311 | 22.0 | 0.203 | 0.324 | 63.9 | 0.747 |
| Echo Chambers | 0.558 | 32.1 | 0.581 | 0.348 | 33.6 | 0.730 | 1.429 | 63.3 | 0.158 |

Pre-Post Spiders

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Composite Theme** | **Statement** | **Change**  **Mean ± SE** | ***t*** | ***df*** | ***P*** |
| Spider Curious | I would like to read more about spiders. | 0.03 ± 0.08 | 0.363 | 67 | 1.000 |
|  | I would like to know more about spiders. | 0.06 ± 0.08 | 0.782 | 66 | 1.000 |
|  | I would like to know more about how scientists study spiders. | -0.03 ± 0.09 | 0.314 | 67 | 1.000 |
|  | Greater attention should be given to spider protection. | -0.15 ± 0.08 | 1.796 | 67 | 0.538 |
|  | Spiders are interesting animals. | -0.01 ± 0.08 | 0.184 | 67 | 1.000 |
|  | People should use fewer chemicals in order to allow spiders to live. | -0.10 ± 0.08 | 1.263 | 67 | 1.000 |
|  | I would like to watch a spider constructing its web. | 0.13 ± 0.10 | 1.350 | 67 | 0.878 |
| Spider Phobia | I avoid going to parks or on camping trips because there may be spiders about. | 0.02 ± 0.02 | 1.000 | 63 | 1.000 |
|  | I would feel some anxiety holding a toy spider in my hand. | 0.08 ± 0.04 | 1.930 | 63 | 0.872 |
|  | I dislike looking at pictures of spiders in a magazine. | 0.03 ± 0.04 | 0.814 | 62 | 1.000 |
|  | If there is a spider on the ceiling over my bed, I cannot go to sleep unless someone kills it for me. | 0.08 ± 0.04 | 1.930 | 63 | 0.872 |
|  | I am terrified by the thought of touching a harmless spider. | 0.00 ± 0.04 | 0.000 | 63 | 1.000 |
|  | If someone says that there are spiders anywhere about, I become alert and edgy. | -0.05 ± 0.05 | 1.000 | 63 | 1.000 |
|  | I would not go down to the basement to get something if I thought there might be spiders down there. | 0.00 ± 0.03 | 0.000 | 63 | 1.000 |
|  | I would feel uncomfortable if a spider crawled out of my shoe as I took it out of the closet to put it on. | 0.08 ± 0.05 | 1.523 | 63 | 1.000 |
|  | When I see a spider, I feel tense and restless. | 0.02 ± 0.06 | 0.275 | 63 | 1.000 |
|  | I feel sick when I see a spider. | 0.02 ± 0.03 | 0.574 | 63 | 1.000 |
|  | I shudder when I think of spiders. | 0.03 ± 0.05 | 0.629 | 63 | 1.000 |
|  | The way spiders move is repulsive. | 0.03 ± 0.04 | 0.704 | 63 | 1.000 |
|  | If I came upon a spider while cleaning the attic I would probably run. | -0.05 ± 0.04 | 1.136 | 63 | 1.000 |
|  | I would prefer not to finish a story if something about spiders was introduced into the plot. | 0.00 ± 0.02 | 0.000 | 63 | 1.000 |
|  | Even if I was late for a very important appointment, the thought of spiders would stop me from taking a shortcut through an underpass." | 0.02 ± 0.04 | 0.444 | 63 | 1.000 |