**Table S2**

*Ranked scores for total words, science words, science discourse density and summative test scores*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Students(n = 19) | Rank oftotal words | Rank of science words | Rank ofdiscrete science words | Rank of science density discourse | Rank of grades |
| 1 |  7 |  7 |  5.5 |  11.5 |  10 |
| 2 | 19 | 19 | 19 | 13 |  18 |
| 3 |  8 |  11.5 |  8 | 15 |  15 |
| 4 |  2 |  8 |  5.5 | 18 |  5 |
| 5 | 18 | 18 | 18 | 14 |  18 |
| 6 | 17 | 16 | 17 |  5 |  18 |
| 8 |  5 |  4 |  3.5 |  8 |  2 |
| 9 |  1 | 10 |  7 | 19 |  15 |
| 10 | 10 | 15 | 12 | 16 |  15 |
| 11 | 14 | 17 | 15 | 17 |  10 |
| 12 | 13 |  6 |  9.5 |  3 |  10 |
| 13 | 16 |  9 | 16 |  2 |  10 |
| 14 | 12 |  11.5 | 14 |  9 |  10 |
| 15 |  9 |  1 |  1 |  1 |  2 |
| 16 |  4 |  3 |  3.5 |  7 |  5 |
| 17 |  3 |  5 |  2 | 10 |  5 |
| 18 |  6 |  2 |  9.5 |  4 |  2 |
| 19 | 11 | 14 | 11 |  11.5 | 10 |
| 20 | 15 | 13 | 13 |  6 | 10 |