**Table S2**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Students  (n = 19) | Rank of  total words | Rank of science words | Rank of  discrete 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 |