**SUPPLEMENTARY MATERIAL**

Significant behavioral sequences (all)

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|  | Colleges | Secondary schools | Elementary schools |
| Similarities | A1→B5: 5.00A3→B1: 2.70B5→C7: 4.04C3→C4: 7.00D1→ D2: 2.86D2→ D3: 4.57 |
| Differences-A Teaching | A1→A2: 2.87A1→B3: 2.25A1→B9: 2.56A2→A6: 8.69A3→B11: 3.06A4→A5: 3.25A4→B4: 4.80A4→C2: 2.20A4→ D1: 2.20A5→B6: 8.66A5→ D1: 2.14A6→B11: 3.67A6→C2: 2.14 | A1→A2: 2.77A1→A3: 3.03A2→B7: 8.96A3→A6: 3.09A3→B3: 2.86A4→B3: 3.45A4→D1: 2.58A5→A6: 3.23A5→B1: 2.64A5→B11: 3.42A5→B12: 2.95A6→B2: 5.22A6→B4: 7.25A6→ C11: 5.03 | A1→A3: 3.72A1→B3: 4.30A1→B4: 2.31A1→B9: 2.78A2→A3: 3.88A2→A6: 5.89A3→A5: 4.12A3→A6: 3.88A3→B3: 6.42A3→B11: 2.98A3→B12: 1.97A4→B2: 2.99A4→B3: 4.59A5→A6: 3.23A5→B2: 7.52A5→B3: 3.77A5→B7: 6.47A5→C1: 3.74A6→B3: 2.42A6→B4: 4.37A6→C2: 2.62 |
| Differences-B Learning interaction | B1→C2: 2.20B3→B1: 2.70B3→B9: 3.55B4→C2: 3.32B5→B10: 5.31B6→C7: 4.89B7→C7: 2.57B7→ D3: 3.88B9→C2: 3.00B9→C7: 2.12B9→C13: 2.76B10→C3: 7.05B11→B7: 2.86B11→B12: 5.31B11→C3: 2.86B12→ C8: 7.05 | B1→B3: 3.46B1→B11: 2.34B2→C1: 3.69B2→C2: 3.36B3→A1: 2.37B3→C2: 3.34B3→C9: 3.98B4→C13: 5.91B7→B9: 10.42B9→C2: 3.72B9→C3: 2.45B11→B9: 2.00B11→B12: 2.62B11→B13: 3.71B11→C1: 2.00B11→C3: 5.82B11→C7: 2.83B11→ C9: 2.32B12→B2: 4.66B12→B11: 2.70B13→C8: 8.96B13→C9: 4.26 | B1→B2: 2.31B1→B5: 2.45B1→B7: 3.53B1→C2: 2.53B1→C6: 2.60B1→D4: 4.43B2→B4: 2.60B2→B12: 3.23B2→B13: 2.19B2→C3: 3.67B3→B5: 2.40B3→B9: 4.01B3→B11: 2.67B3→C2: 5.82B4→B2: 2.60B4→B6: 5.72B4→B7: 3.92B4→B11: 3.23B5→C6: 2.75B6→B11: 2.02B6→C2: 4.12B7→B11: 4.57B7→B13: 3.38B9→B10: 6.76B9→C5: 4.14B9→C9: 3.40B10→C3: 2.56B10→C7: 3.89B11→B13: 3.67B11→C2: 6.52B11→C6: 3.11B11→C7: 3.22B11→C9: 2.39B11→C13: 2.10B12→C4: 5.27B12→C6: 3.60B12- C12: 6.90B13→B7: 3.37B13→C4: 7.73 |
| Differences-C Learning effectiveness | C1→C12: 6.06C2→C6: 3.18C2→C10: 3.50C3→B11: 2.88C3→ C12: 7.00C4→C10: 7.05C7→C8: 2.54C7→C13: 2.10C8→ C9: 2.88C10→C13: 3.29C12→ C9: 5.39 | C1→D4: 5.89C2→C4: 2.08C2→C13: 5.00C3→ C9: 2.89C3→ C10: 2.19C4→ C9: 3.02C9→C10: 4.84C9→ D3: 2.28C10→C1: 2.80C10→ C11: 3.56C10→ D3: 2.80 | C1→B1: 6.45C1→C9: 2.96C2→C1: 2.34C2→C3: 5.51C2→C6: 2.81C2→C7: 2.04C2→C10: 3.94C2→C11: 2.84C3→C9: 4.97C3→C12: 2.51C3→D4: 2.08C4→C5: 8.22C4→C10: 2.16C4→D1: 2.43C5→C3: 2.57C5→ C9: 4.96C6→C7: 3.89C6→C10: 3.05C7→C5: 3.69C7→C9: 4.83C7→C13: 4.54C9→ C10: 5.14C9→ C13: 3.63C9→ D3: 3.68C10→ D4: 2.46C10→ C11: 4.65C10→ C13: 3.52C11→ C13: 3.34C11→ D3: 4.20C12→B13: 4.99C13→ D4: 3.77C13→ C12: 4.42C13→ D3: 3.08 |
| Differences-D Others | D1→A6: 2.04D3→A4: 2.57D3→C1: 7.00 | D1→A1: 2.45D2→A2: 2.67D2→A3: 2.33D1→ D4: 2.98 | D1→A3: 2.30D2→A1: 4.24D2→A3: 3.18D3→A1: 2.68D4→B9: 3.55 |