**Supplement S1**

Final words included in the lexica representing Academic Motivation, Mental Health Promotion, and School Belonging, and relative frequency of occurrence.

| **Academic Motivation** | **Relative frequency** | **Mental Health Promotion** | **Relative frequency** | **School Belonging** | **Relative frequency** |
| --- | --- | --- | --- | --- | --- |
| academic | 0.6267 | development of a person | 0.0354 | attachment to school | 0.0000 |
| academic achievement | 0.0404 | development of the person | 0.0000 | belong | 0.0201 |
| academic goals | 0.0000 | emotionally | 0.2028 | belonging | 0.1677 |
| academic potential | 0.0360 | flourish | 0.0000 | bond | 0.0000 |
| academically | 0.1996 | gratitude | 0.0385 | bonded | 0.0000 |
| academice | 0.0000 | happier | 0.0000 | bonding | 0.0000 |
| cognitive development | 0.0000 | happiness | 0.0000 | collaborate | 0.0033 |
| critical thinking | 0.0128 | happy | 0.1869 | collective | 0.0054 |
| effort | 0.0441 | help seeking | 0.0000 | community | 3.0467 |
| engagement | 0.0706 | hope | 0.5726 | Connected | 0.0286 |
| excellence | 1.1532 | interpersonal | 0.0046 | connectedness | 0.0270 |
| exit scores | 0.0000 | joy | 0.0940 | connection | 0.0074 |
| goal orientation | 0.0000 | joyful | 0.0063 | connections | 0.0177 |
| goal setting | 0.0000 | kind | 0.0093 | fit in | 0.0000 |
| grades | 0.0000 | kindness | 0.0294 | group life | 0.0000 |
| intellect | 0.0000 | meaningful life | 0.0000 | groups | 0.0000 |
| intellectual | 0.1011 | mental health | 0.0000 | Inclusion | 0.0060 |
| intelligence | 0.0145 | mind matters | 0.0000 | inclusive | 0.0916 |
| knowledgeable | 0.0000 | optimism | 0.2086 | Kinship | 0.0000 |
| knowledge | 0.3792 | optimistic | 0.0196 | school attachment | 0.0000 |
| learn | 0.2644 | person centred | 0.0000 | team | 0.0507 |
| learners | 0.5652 | positive | 1.2369 | together | 0.2267 |
| learning | 4.1888 | positive psychology | 0.0000 | togetherness | 0.0000 |
| learning environment | 0.3387 | positivity | 0.0000 | united | 0.0345 |
| learning for life | 0.0048 | resilience | 0.2008 |  |  |
| learning goals | 0.0047 | sense of purpose | 0.0385 |  |  |
| learning that is life-long | 0.0082 | social and emotional | 0.0791 |  |  |
| life long learning | 0.0704 | strength based | 0.0000 |  |  |
| literacy | 0.0841 | strength-based | 0.0000 |  |  |
| literate | 0.0441 | strengthbased | 0.0000 |  |  |
| motivation | 0.0032 | strengths | 0.0755 |  |  |
| numeracy | 0.0714 | thankful | 0.0000 |  |  |
| performance | 0.0152 | vigour | 0.0000 |  |  |
| persistence | 0.0167 | well being | 0.9327 |  |  |
| study skills | 0.0000 | well-being | 0.0580 |  |  |
| success of learning | 0.0000 | wellbeing | 0.0415 |  |  |
| Value academic | 0.0000 | whole child | 0.0196 |  |  |
| value learning | 0.0599 | whole individual | 0.0106 |  |  |
| valuing academics |  | whole person | 0.2995 |  |  |
|  |  | whole student | 0.0479 |  |  |
| Total | 8.4180 |  | 4.4486 |  | 3.7334 |

**Supplement S2**

*T tests for dichotomous variables (indicating theme was included or not, using qualitative and lexical coding approaches) and achievement scores, unweighted estimates.*

|  | **Included theme** | | | **Did not include theme** | | | **t** | **df** | **MD** | **SE** | **95% CI** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **n** | **M** | **SD** | **n** | **M** | **SD** |
| **Year 7** |  |  |  |  |  |  |  |  |  |  |  |  |
| Qualitative ratings |  |  |  |  |  |  |  |  |  |  |  |  |
| Academic motivation | 244 | 541.83 | 30.03 | 34 | 545.36 | 30.16 | -.64 | 276 | -3.53 | 5.54 | -14.54 | 7.43 |
| Mental health promotion | 190 | 541.05 | 28.92 | 88 | 544.87 | 32.27 | -.99 | 276 | -3.81 | 3.99 | -11.72 | 4.15 |
| School belonging | 164 | 542.35 | 27.73 | 114 | 542.14 | 33.14 | .06 | 276 | .21 | 3.90 | -7.70 | 7.52 |
| Lexical approach |  |  |  |  |  |  |  |  |  |  |  |  |
| Academic motivation | 205 | 541.81 | 29.86 | 73 | 543.53 | 30.62 | -.42 | 276 | 01.72 | 4.02 | -9.30 | 6.29 |
| Mental health promotion | 99 | 543.68 | 29.53 | 179 | 541.47 | 30.33 | .59 | 276 | 2.21 | 3.56 | -4.71 | 9.17 |
| School belonging | 153 | 540.92 | 27.68 | 125 | 543.91 | 32.68 | -.83 | 276 | -2.99 | 3.69 | -10.33 | 3.99 |
| **Year 9** |  |  |  |  |  |  |  |  |  |  |  |  |
| Qualitative ratings |  |  |  |  |  |  |  |  |  |  |  |  |
| Academic motivation | 243 | 577.66 | 33.32 | 34 | 581.99 | 32.04 | -.71 | 275 | -4.33 | 5.70 | -16.02 | 7.12 |
| Mental health promotion | 185 | 576.52 | 31.44 | 92 | 581.57 | 36.25 | -1.20 | 275 | -5.05 | 4.51 | -14.09 | 4.40 |
| School belonging | 165 | 577.63 | 31.83 | 112 | 579.03 | 35.10 | -.35 | 275 | -1.40 | 4.20 | -9.84 | 6.40 |
| Lexical approach |  |  |  |  |  |  |  |  |  |  |  |  |
| Academic motivation | 205 | 577.66 | 32.84 | 72 | 579.72 | 34.17 | -.45 | 275 | -2.06 | 4.46 | -10.53 | 6.79 |
| Mental health promotion | 96 | 580.90 | 31.63 | 181 | 576.76 | 33.90 | .99 | 275 | 4.14 | 4.19 | -4.04 | 12.29 |
| School belonging | 151 | 576.63 | 32.41 | 126 | 580.07 | 34.02 | -.86 | 275 | -3.43 | 4.09 | -11.53 | 4.40 |

*Note.* MD = mean difference, SE = standard error, CI = confidence interval. Mean difference and 95% confidence intervals based on 1000 bootstrapped samples.

**Supplement S3**

*Spearman correlations between average NAPLAN scores and the relative frequency of including academic motivation, mental health promotion, and school belonging themes in mission and values statements.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ***N*** | **** | **95% CI** | | ***p*** |
| **Unweighted Estimates** | | | | | |
| **Year 7** |  |  |  |  |  |
| Academic motivation | 278 | -0.07 | -0.19 | 0.05 | 0.24 |
| Mental health promotion | 278 | 0.04 | -0.09 | 0.16 | 0.56 |
| School belonging | 278 | -0.04 | -0.16 | 0.08 | 0.56 |
| **Year 9** |  |  |  |  |  |
| Academic motivation | 268 | -0.07 | -0.19 | 0.05 | 0.27 |
| Mental health promotion | 268 | 0.08 | -0.04 | 0.20 | 0.19 |
| School belonging | 268 | -0.02 | -0.15 | 0.10 | 0.70 |
| **Estimates Weighted by the Number of Students** | | | | | |
| **Year 7** |  |  |  |  |  |
| Academic motivation | 33,925 | -0.12 | -0.14 | -0.11 | 0.00 |
| Mental health promotion | 33,925 | 0.06 | 0.05 | 0.08 | 0.00 |
| School belonging | 33,925 | -0.05 | -0.06 | -0.03 | 0.00 |
| **Year 9** |  |  |  |  |  |
| Academic motivation | 31,925 | -0.14 | -0.15 | -0.13 | 0.00 |
| Mental health promotion | 31,925 | 0.11 | 0.10 | 0.12 | 0.00 |
| School belonging | 31,925 | -.04 | -0.05 | -0.03 | 0.00 |

*Note*. Spearman correlations and 95% confidence interval estimates based on 1000 bootstrapped samples.

**Supplement S4**

*Regression analyses, predicting year 7 and year 9 achievement scores, with simultaneous entry of language variables.*

| **Model** | **b** | **SE** | ***p*** | **95% CI** | | **R sq** |
| --- | --- | --- | --- | --- | --- | --- |
| **Unweighted estimates** | | | | | | |
| **Year 7** |  |  |  |  |  |  |
| Qualitative ratings (dichotomous) | | |  |  |  | .005 |
| Academic motivation | -2.32 | 6.40 | 0.73 | -15.35 | 9.86 |  |
| Mental health promotion | -4.09 | 4.53 | 0.36 | -12.97 | 4.98 |  |
| School belonging | 1.44 | 3.98 | 0.72 | -6.55 | 9.04 |  |
| Lexical approach |  |  |  |  |  |  |
| Relative frequency (continuous) | | |  |  |  | .005 |
| Academic motivation | -2.90 | 75.21 | 0.97 | -165.88 | 138.52 |  |
| Mental health promotion | 39.22 | 67.27 | 0.57 | -88.98 | 177.10 |  |
| School belonging | -116.75 | 132.40 | 0.36 | -381.95 | 147.50 |  |
| Theme present (dichotomous) | |  |  |  |  | .004 |
| Academic motivation | -1.40 | 4.35 | 0.78 | -10.01 | 7.33 |  |
| Mental health promotion | 2.90 | 3.74 | 0.45 | -4.14 | 10.58 |  |
| School belonging | -2.22 | 4.05 | 0.58 | -10.42 | 6.26 |  |
| **Year 9** |  |  |  |  |  |  |
| Qualitative ratings (dichotomous) | | |  |  |  | .004 |
| Academic motivation | -4.10 | 6.72 | 0.53 | -18.70 | 8.72 |  |
| Mental health promotion | -3.19 | 5.00 | 0.51 | -13.29 | 6.84 |  |
| School belonging | 1.44 | 4.41 | 0.73 | -7.23 | 9.59 |  |
| Lexical Approach |  |  |  |  |  |  |
| Relative frequency (continuous) | |  |  |  |  | .010 |
| Academic motivation | -31.69 | 74.63 | 0.68 | -186.45 | 107.94 |  |
| Mental health promotion | 82.67 | 73.52 | 0.26 | -52.31 | 235.37 |  |
| School belonging | -103.89 | 148.78 | 0.50 | -398.95 | 177.87 |  |
| Theme present (dichotomous) | |  |  |  |  | .009 |
| Academic motivation | -1.91 | 4.56 | 0.68 | -11.27 | 7.03 |  |
| Mental health promotion | 5.24 | 3.94 | 0.19 | -1.91 | 13.35 |  |
| School belonging | -2.33 | 4.15 | 0.59 | -10.98 | 5.80 |  |
| **Estimates weighted by the number of students** | | | | | | |
| **Year 7** |  |  |  |  |  |  |
| Qualitative ratings (dichotomous) | | |  |  |  | .019 |
| Academic motivation | -9.12 | 0.49 | 0.001 | -10.09 | -8.15 |  |
| Mental health promotion | -2.48 | 0.41 | 0.001 | -3.26 | -1.63 |  |
| School belonging | -2.19 | 0.39 | 0.001 | -2.98 | -1.45 |  |
| Lexical Approach |  |  |  |  |  |  |
| Relative frequency (continuous) | |  |  |  |  | .006 |
| Academic motivation | -58.95 | 6.72 | 0.001 | -73.04 | -45.65 |  |
| Mental health promotion | 33.05 | 6.15 | 0.001 | 21.14 | 45.28 |  |
| School belonging | -95.82 | 12.05 | 0.001 | -118.91 | -71.16 |  |
| Theme present (dichotomous) | |  |  |  |  | .013 |
| Academic motivation | -3.51 | 0.41 | 0.001 | -4.34 | -2.67 |  |
| Mental health promotion | 5.04 | 0.35 | 0.001 | 4.36 | 5.75 |  |
| School belonging | -2.62 | 0.35 | 0.001 | -3.33 | -1.96 |  |
| **Year 9** |  |  |  |  |  |  |
| Qualitative ratings (dichotomous) | |  |  |  |  | .021 |
| Academic motivation | -11.59 | 0.52 | 0.001 | -12.61 | -10.62 |  |
| Mental health promotion | -1.53 | 0.46 | 0.002 | -2.43 | -0.56 |  |
| School belonging | -2.09 | 0.42 | 0.001 | -2.97 | -1.22 |  |
| Lexical Approach |  |  |  |  |  |  |
| Relative frequency (continuous) | |  |  |  |  | .013 |
| Academic motivation | -92.90 | 6.77 | 0.001 | -105.95 | -79.66 |  |
| Mental health promotion | 56.12 | 6.47 | 0.001 | 43.60 | 68.97 |  |
| School belonging | -148.26 | 13.35 | 0.001 | -174.85 | -122.70 |  |
| Theme present (dichotomous) | |  |  |  |  | .018 |
| Academic motivation | -4.55 | 0.44 | 0.001 | -5.41 | -3.68 |  |
| Mental health promotion | 7.31 | 0.37 | 0.001 | 6.59 | 8.08 |  |
| School belonging | -2.15 | 0.36 | 0.001 | -2.88 | -1.46 |  |

*Note*. Estimates based on 1,000 bootstrapped samples.

**Supplement S5**

*The potential added value of MHP and school belonging. For schools that included academic motivation in their statement (87.5% (year 7) and 87% (year 9) of schools via the qualitative approach; 73.9% (year 7) and 77% (year 9) of schools via the lexical approach) t tests comparing different combinations of themes*.

|  | **Included themes** | | | **Did not include themes** | | | **MD** | **SE** | **95% CI** | | **t** | **df** | **p** | **r** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **n** | **M** | **SD** | **n** | **M** | **SD** |
| **Year 7** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qualitative ratings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 179 | 541.50 | 29.20 | 65 | 542.74 | 32.41 | -1.24 | 4.67 | -10.25 | 8.18 | -.28 | 242 | .78 | -0.02 |
| Motivation, belonging | 157 | 542.44 | 28.00 | 87 | 540.74 | 33.51 | 1.70 | 4.06 | -6.47 | 9.64 | .42 | 242 | .67 | -0.03 |
| Motivation, MHP, belonging | 127 | 541.69 | 28.00 | 117 | 541.98 | 32.21 | -.30 | 3.87 | -7.76 | 7.47 | -.08 | 242 | .94 | -0.01 |
| Lexical approach |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 72 | 541.64 | 28.17 | 133 | 541.90 | 30.83 | -.27 | 4.07 | -8.01 | 7.81 | -.06 | 203 | .95 | -0.00 |
| Motivation, belonging | 131 | 540.50 | 27.48 | 74 | 544.13 | 33.73 | -3.63 | 4.62 | -12.41 | 5.49 | -.84 | 203 | .44 | -0.06 |
| Motivation, MHP, belonging | 45 | 539.71 | 27.15 | 160 | 542.40 | 30.63 | -2.69 | 4.58 | -11.19 | 6.21 | -.53 | 203 | .59 | -0.04 |
| **Year 9** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qualitative ratings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 175 | 577.19 | 31.77 | 68 | 578.89 | 37.23 | -1.70 | 5.04 | -11.95 | 8.44 | -.36 | 241 | .72 | -0.02 |
| Motivation, belonging | 158 | 577.69 | 32.16 | 85 | 577.61 | 35.56 | .09 | 4.53 | -9.65 | 8.95 | .02 | 241 | .99 | -0.00 |
| Motivation, MHP, belonging | 125 | 577.64 | 30.79 | 118 | 577.69 | 35.93 | -.05 | 4.27 | -8.21 | 8.47 | -.01 | 241 | .99 | -0.00 |
| Lexical approach |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 71 | 576.97 | 30.02 | 134 | 578.02 | 34.34 | -1.05 | 4.53 | -10.04 | 7.45 | -.22 | 203 | .83 | -0.02 |
| Motivation, belonging | 130 | 575.95 | 32.59 | 75 | 580.63 | 33.26 | -4.68 | 4.72 | -13.81 | 4.29 | -.98 | 203 | .33 | -0.07 |
| Motivation, MHP, belonging | 44 | 575.23 | 29.61 | 161 | 578.32 | 33.72 | -3.09 | 5.05 | -12.68 | 7.24 | -.55 | 203 | .58 | -0.04 |
| **Year 7** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qualitative ratings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 22156 | 544.82 | 28.80 | 7373 | 545.78 | 31.86 | -.95 | .41 | -1.72 | -.14 | -2.40 | 29527 | .02 | -0.01 |
| Motivation, belonging | 18936 | 543.94 | 26.86 | 10593 | 547.09 | 33.85 | -3.12 | .38 | -3.88 | -2.35 | -8.69 | 29527 | .001 | -0.05 |
| Motivation, MHP, belonging | 15955 | 543.29 | 26.87 | 13574 | 547.14 | 32.39 | -3.84 | .35 | -4.53 | -3.19 | -11.14 | 29527 | .001 | -0.06 |
| Lexical approach |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 10392 | 547.46 | 27.85 | 15491 | 544.13 | 30.23 | 3.34 | .37 | 2.64 | 4.06 | 8.98 | 25881 | .001 | 0.06 |
| Motivation, belonging | 16537 | 543.73 | 27.85 | 9346 | 548.54 | 31.58 | -4.80 | .40 | -5.59 | -4.02 | -12.69 | 25881 | .001 | -0.08 |
| Motivation, MHP, belonging | 6086 | 544.57 | 27.54 | 19797 | 545.74 | 29.87 | -1.17 | .43 | -1.99 | -.32 | -2.72 | 25881 | .006 | -0.02 |
| **Year 9** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qualitative ratings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 20469 | 580.36 | 31.67 | 7772 | 582.56 | 37.32 | -2.20 | .50 | -3.16 | -1.28 | -4.97 | 28239 | .001 | -0.03 |
| Motivation, belonging | 18193 | 580.31 | 31.53 | 10048 | 582.15 | 36.34 | -1.85 | .42 | -2.64 | -1.00 | -4.46 | 28239 | .001 | -0.03 |
| Motivation, MHP, belonging | 14972 | 579.65 | 29.89 | 13269 | 582.44 | 36.77 | -2.79 | .40 | -3.56 | -2.02 | -7.02 | 28239 | .001 | -0.04 |
| Lexical approach |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Motivation, MHP | 9130 | 584.05 | 30.27 | 15485 | 580.07 | 34.72 | 3.98 | .42 | 3.20 | 4.79 | 9.11 | 24613 | .001 | 0.06 |
| Motivation, belonging | 15583 | 580.49 | 32.98 | 9032 | 583.36 | 33.47 | -2.87 | .44 | -3.72 | -2.02 | -6.55 | 24613 | .001 | --0.04 |
| Motivation, MHP, belonging | 5302 | 583.31 | 30.27 | 19313 | 581.06 | 33.93 | 2.25 | .51 | 1.24 | 3.23 | 4.37 | 24613 | .001 | 0.03 |

*Note.* MD = mean difference, SE = standard error, CI = confidence interval. Mean difference and 95% confidence intervals based on 1000 bootstrapped samples.