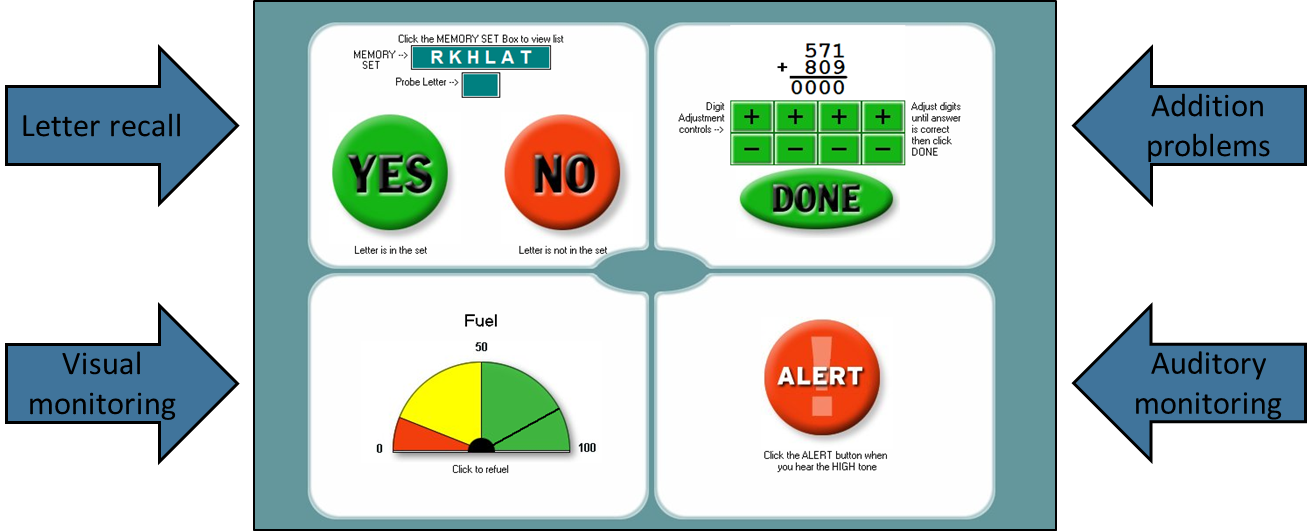
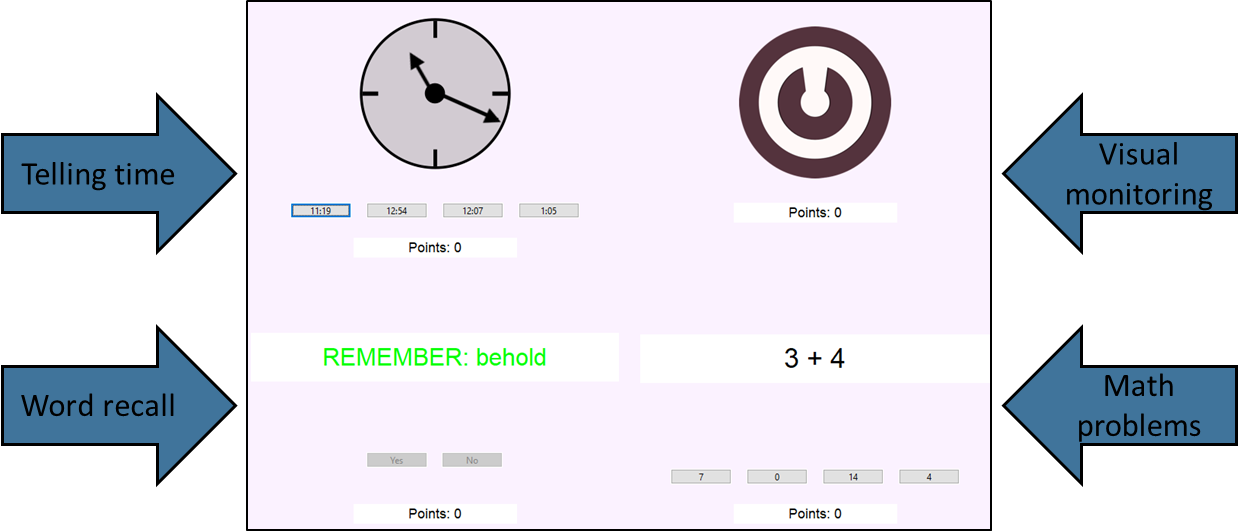
****

*Figure a.* A labeled snapshot of the labeled Control Tower interface.

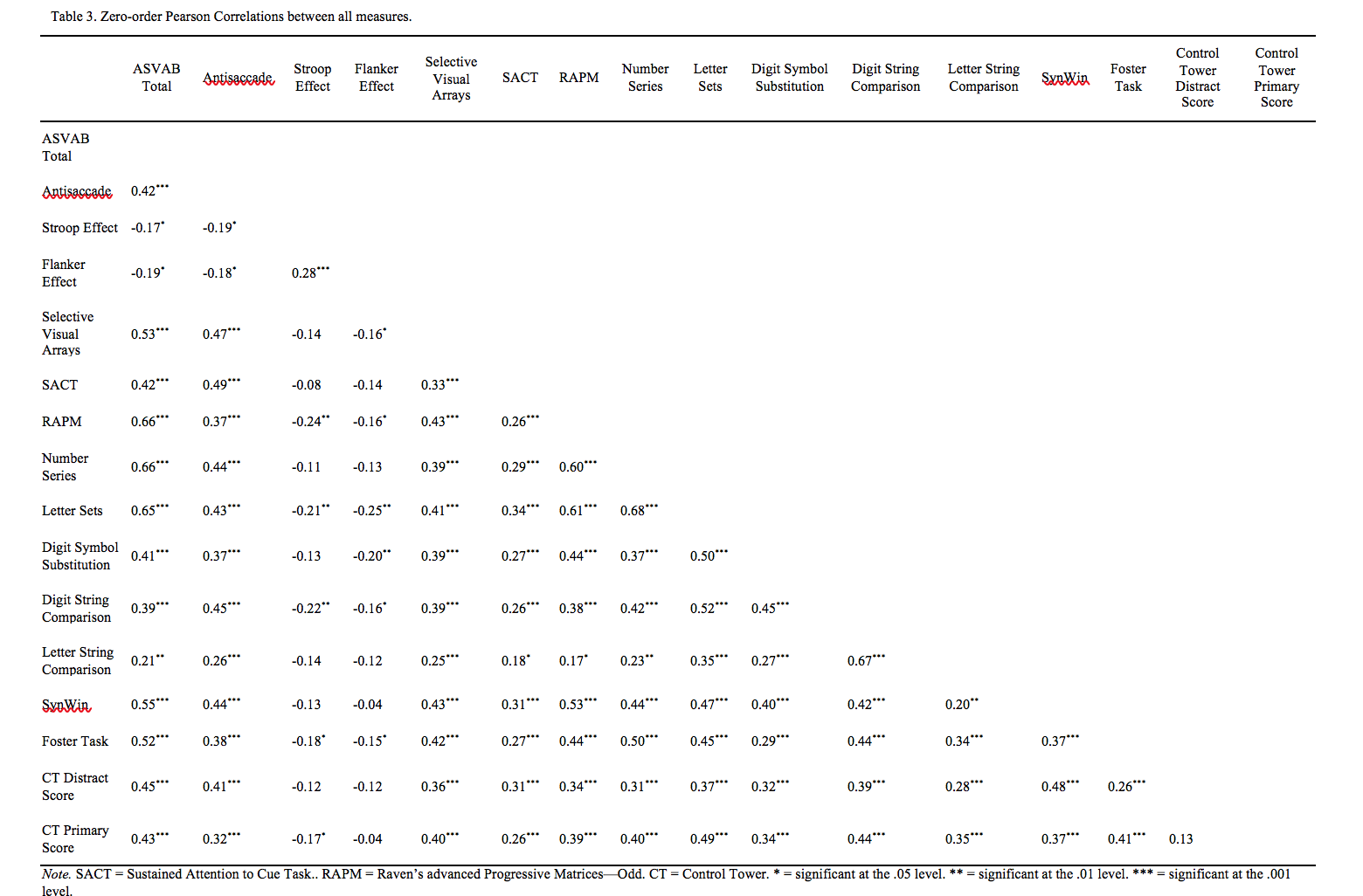
**

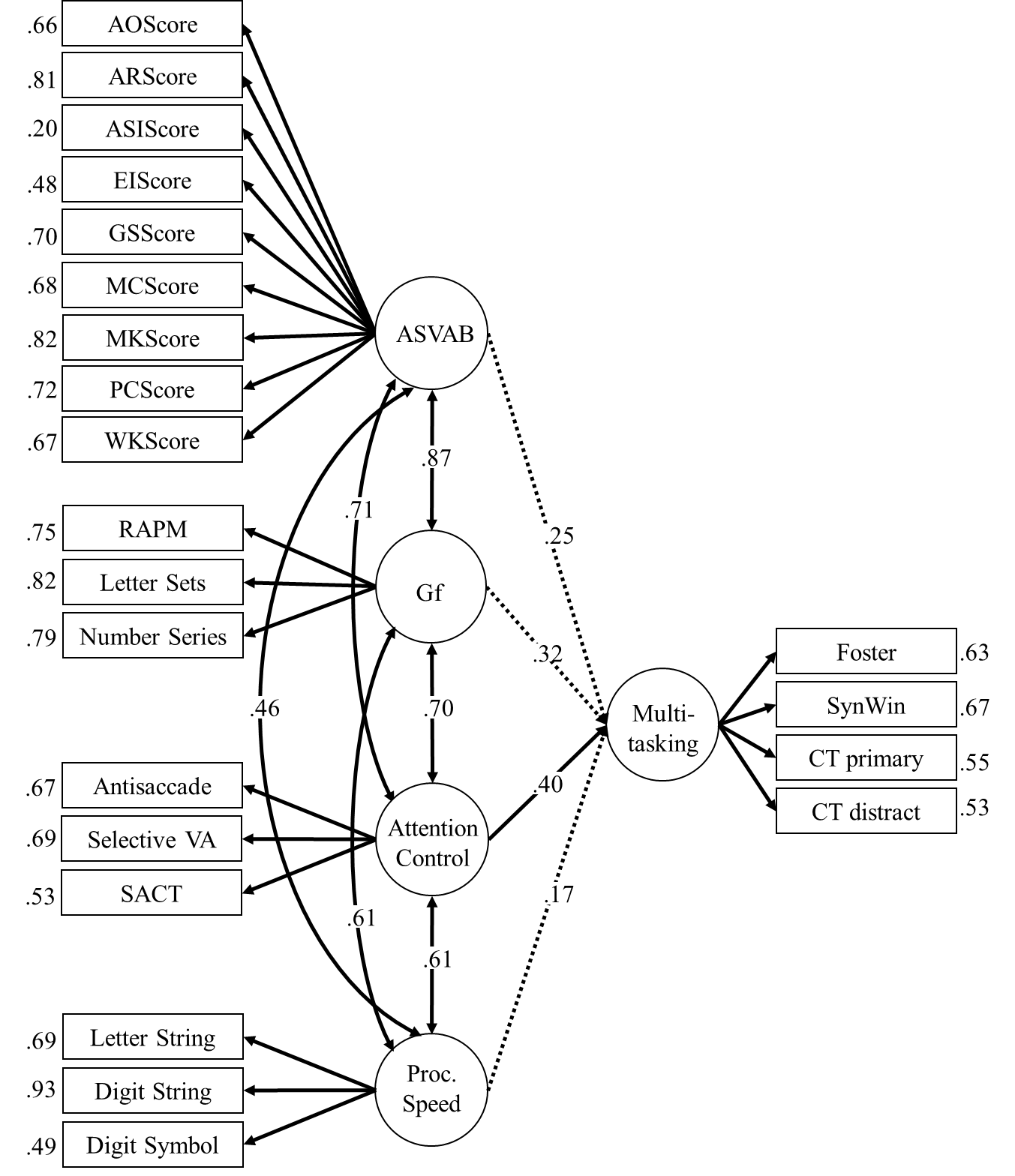
*Figure b.* A labeled snapshot of the labeled SynWin interface.

**

*Figure b.* A labeled snapshot of the Foster Task interface.

| Table 2. Descriptive statistics of measures. | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Mean** | **SD** | **min** | **max** | **Skewness** | **Kurtosis** |
| Antisaccade | 0.78 | 0.15 | 0.36 | 0.99 | -0.80 | -0.16 |
| ASVAB Total | 103.06 | 21.79 | 44.00 | 143.00 | -0.44 | -0.26 |
| Control Tower Distract Score | 24.36 | 4.13 | 6.00 | 29.00 | -1.64 | 3.04 |
| Control Tower Primary Score | 96.25 | 36.55 | 17.00 | 186.00 | -0.41 | 0.02 |
| Digit String Comparison | 30.16 | 5.32 | 11.00 | 41.00 | -0.58 | 0.55 |
| Digit Symbol Substitution | 57.76 | 12.49 | 22.00 | 90.00 | 0.31 | 0.57 |
| Flanker Effect | 82.95 | 44.51 | -13.86 | 238.36 | 1.25 | 2.35 |
| Foster Task | 14994.87 | 10020.15 | 0.00 | 47915.00 | 0.81 | 0.52 |
| Letter Sets | 16.60 | 4.53 | 5.00 | 28.00 | -0.24 | -0.28 |
| Letter String Comparison | 20.85 | 3.86 | 11.00 | 37.00 | 0.35 | 1.21 |
| Number Series | 9.30 | 3.32 | 2.00 | 15.00 | -0.33 | -0.78 |
| RAPM | 9.61 | 3.23 | 2.00 | 18.00 | -0.15 | -0.40 |
| SACT | 0.70 | 0.19 | 0.19 | 0.97 | -0.77 | 0.12 |
| Selective Visual Arrays | 1.71 | 1.13 | 0.00 | 4.45 | 0.17 | -0.80 |
| Stroop Effect | 132.52 | 83.20 | -52.65 | 431.09 | 0.80 | 1.16 |
| SynWin | 395.75 | 211.16 | -567.33 | 792.00 | -1.27 | 2.49 |





*Figure 4.* Processing speed (PS) was included as an additional latent variable as a measure of discriminant validity. Although processing speed also significantly predicted multitasking, the attention control path to multitasking remained strong and significant. χ2(199) = 357.557, p < .001, CFI = .904, RMSEA = .068.