

## Summary of Pre-Test/Post-Test Statistics

- 186 students took the pre-test.
- 86 students took both the pre-test and the post-test.
- The average pre-test score was 8.7. = 43.5%
- The average post-test score was 14.3. = 71.5% +28%
- The average ACT Composite of test-takers was 21.2.
- The average ACT Reading score was 22.5.
- On average, students saw an increase of about six points from the pre-test to the post-test.
- The pre-test and post-test score had a Pearson Correlation Coefficient of .484 ( $r=.484$ ;  $p<.0001$ ), meaning that almost a quarter ( $r^2=.23$ ) of the variation in the score on the post-test can be explained by the score on the pre-test.
- The pre-test was correlated with the ACT Composite score ( $r=.533$ ;  $p<.0001$ ) and the ACT Reading score ( $r=.491$ ;  $p<.0001$ ).
- The post-test was also correlated with the ACT Composite score ( $r=.402$ ;  $p=.0001$ ) and the ACT Reading score ( $r=.378$ ;  $p=.0003$ ), although the correlations were not as strong.
- The difference between the score on the post-test and the pre-test was not correlated with either the ACT Composite or the ACT Reading Score. This means that the 6-point increase, on average, was not related to either ACT score.
- The average 6-point increase from the pre-test score to the post-test score was significant ( $p<.0001$ ).