

Executive Summary: Research -Validated HS Writing Outcomes through Peerceptiv's Peer Review Technology

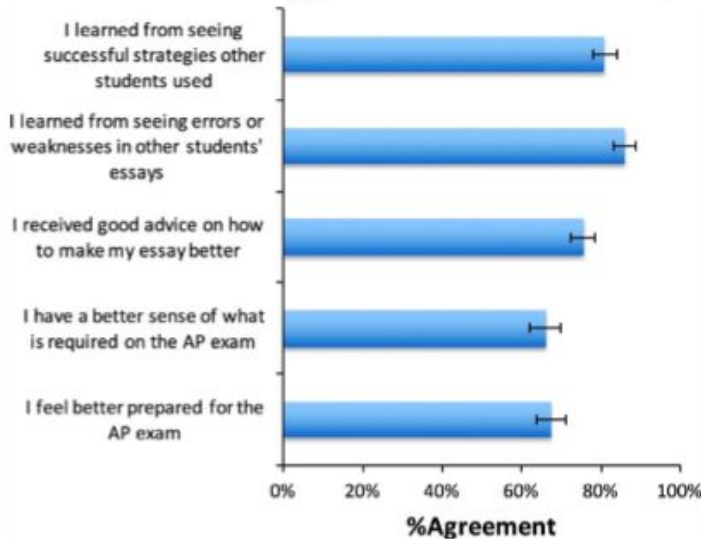
Peer review is an essential part of process-oriented writing instruction. The research that gave rise to Peerceptiv was the first to emphasize the role of peer review in K-12 classrooms. Presented here is a brief executive summary of two of these studies.

Peerceptiv has carefully studied the success of peer review in the high school classroom, confirming the reliability and validity of student reviews¹ as well as positive student perceptions of peer review². Peerceptiv is the only research-validated peer review solution for high schools.

This research was completed at 30+ high schools. The sampled high schools include representatives of each of a variety of school types: small/large, urban/suburban/rural, public/charter/private/religious. A number of schools studied also had large student populations from historically underserved groups, including free and reduced lunch eligible students and students of color. The findings suggest that Peerceptiv's peer review technology benefits students of all backgrounds and across school types.

Regardless of background or school, students perceived peer review in general and Peerceptiv in particular as beneficial to their writing. For example, when students used Peerceptiv in the preparing for the AP exam, students reported learning through their reviewing work, from the feedback they received from peers, and reported a fuller understanding of and sense of preparedness for the AP exam.

Percentage of Students Agreeing or Strongly Agreeing With Each Possible Benefit of Peer Assessment of Writing (With Standard Error Bars)



Note. AP = Advanced Placement.

¹ Schunn, Christian, et al. "The Reliability and Validity of Peer Review of Writing in High School AP English Classes." *Journal of Adolescent & Adult Literacy*, vol. 60, no. 1, 18 Apr. 2016, pp. 13–23.

² Loretto, Adam, et al. "Secondary Students' Perceptions of Peer Review of Writing." *Research in the Teaching of English*, vol. 51, no. 2, Nov. 2016, pp. 134–161.

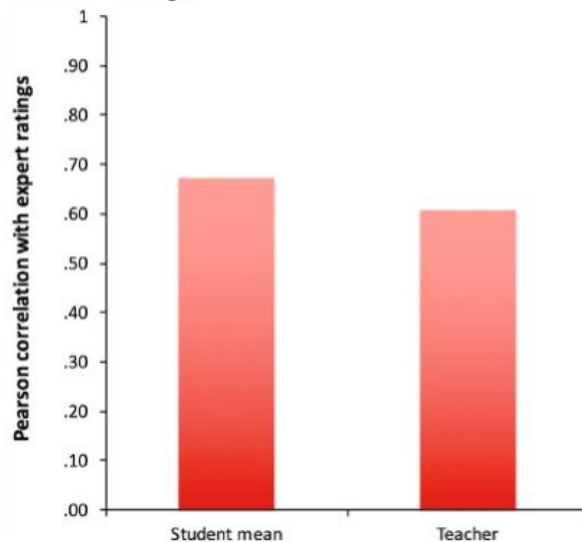
The success of Peerceptiv's peer review technology relies on 5 key features.

1. **Anonymity** - Students most frequently identified anonymity as the most beneficial feature of Peerceptiv. Anonymous peer review allows both writers and reviewers to communicate honestly and try out new ideas.
2. **Teacher-created rubrics** - Peer review is most successful when students are guided to specific, relevant criteria. Rubrics increase student motivation and deepen learning.
3. **A focus on higher-order aspects of writing** - Peer review benefits students most when they engage with their peers' written ideas, rather than simply making edits at the sentence level. Peerceptiv does not allow for this less valuable editing behavior.
4. **Feedback from multiple readers** - Receiving feedback from multiple peers allows students to explore and more fully develop their ideas during revision.
5. **The opportunity to review peer writing** - Students learn from their role on the giving side of the feedback loop.

Peerceptiv's impact on learning outcomes is demonstrated through more than just student perceptions. Research has confirmed that student feedback is just as reliable or more reliable than feedback from a single expert.

Peerceptiv measures reliability by measuring the consistency of reviewers. In the study of high school student's reviews reliability, their reviews demonstrated similar reliability to teacher reviews. In fact, students' reviews proved to be more reliable than teacher reviews when compared to the scores of trained expert AP exam graders.

Correlations With Advanced Placement Expert Ratings for Mean Student Ratings and Individual Teacher Ratings



High school students can reliably assess the work of their peers and these students have strong positive impressions of peer review. There is a clear case that Peerceptiv peer review is a valid way to bring more writing tasks into the high school classroom--removing the barrier of limited teacher grading time and deepening learning for all students.