Leaders in Peer Learning

Scalable active learning through research-validated peer assessment

Sheena Gibson
sgibson@peerceptiv.com

Megan Reiley
mreiley@peerceptiv.com

Copyright 2021 Panther Learning Systems Inc.
You will learn…

• What is Peerceptiv?
• Peer learning in synchronous and asynchronous environments
• Updates for the 2021-2022 school year
• Integration and Onboarding
2021 - 2022 Updates

● Team Member Evaluation tool
  ○ Grading option for participation score or mean rating score

● LTI 1.3 Advantage configuration available for January 2022
● Group Sync and Roster Sync available in 2022

● 2022 launch of new teacher and student UI
  ○ New teacher and student dashboards
  ○ New results display
RESEARCH AND DEVELOPMENT
Peerceptiv was developed at the University of Pittsburgh’s Learning Research and Development Center.

VALID AND RELIABLE GRADING
An online peer assessment system that produces grades that consistently align with expert assessment.

STUDENT ACCOUNTABILITY
Grading in Peerceptiv includes incentives for the quality and specificity of their ratings and reviews.

LEARNING ANALYTICS
In depth analytics allow instructors to individualize learning where needed and improve their practice over time.
All research has been conducted (some under name “SWoRD”) at the University of Pittsburgh’s Learning Research and Development Center.


1. Learning improves most by *providing* feedback to peers.

2. Assessment by multiple peers is as valid & reliable as by a single expert when students are properly motivated.
Student Assignment Workflow

• Synchronous assignment workflow
  • Common deadlines
• Asynchronous workflow
  • No common deadlines
  • Supports competency-based assignments.

Submit
- Anonymous
- Automated
- Document Distribution

Review
- Bias-Free Peer Evaluations

Feedback
- Student Accountability Incentives

Grades
- Content Knowledge and Skill Validation
1. Create and Submit Assignment

2. Review Peers’ Submissions

3. Read and Rate Feedback

4. Valid and Reliable Grades

- Writing across disciplines
- Lab Reports
- Group Projects
- Presentations
- Video Debate
- Online portfolios

- Coding
- Infographics
- Podcasts
- Reading Reflections
• Distribution algorithms ensure everyone gets reviewed quickly.

• All peer reviewing activity is anonymous or double-blind.

• Fully Integrated with Collab:
  • Single sign-on for students and teachers
  • Grade passback
  • IMS Global Affiliate Member
  • LTI 1.3/Advantage coming soon
  • Roster and Group Sync coming soon
Gender Equality: The Effect of Emma Watson and Social Media

Gender equality has been an ongoing "wicked problem" for decades. A wicked problem is a problem that can take a great deal of time to solve and has no clear-cut solution. There have been many campaigns to end the issue of gender equality, which have had some success. The United Nations Women has been one of the leading activist groups to try to put an end to this obstacle. This past July, Emma Watson was appointed to be an ambassador for the United Nations Women. On September 21, 2014 Emma delivered a speech to launch the campaign HeForShe, which aims at creating gender equality focusing on youth and primarily males. I am very passionate about this topic of equality because I think it is an issue that most people know about but are not inspired enough to make an impact for change. In this paper I will examine if the success of this campaign differs from past efforts of the UN Women, the role that social media plays, and if having a celebrity like Emma Watson drove this effort to be successful.

Many people know Emma Watson as the adorable little British girl who started acting at the age of eleven. She broke out onto the scene playing Hermione Granger in the extremely successful Harry Potter series. Emma has had an incredibly impressive career so far and she is only 24 years old. This brings up a few questions, is Emma Watson qualified to be an ambassador for the United Nations Women? Is she credible? After finishing up the...
Quantitative Review

Create and **Submit** Assignment

**Review** Peers’ Submissions

Read and Rate Feedback

Valid and Reliable Grades

Critical Analysis

Evaluate the author’s ability to identify key information in texts, think critically about a text, and make connections between ideas.

- **7** - Author accurately identifies scope, argument, key issues, and strengths/weaknesses of texts under review. Presents points of connection between texts and synthesizes information to make a specific, insightful claim about the texts as a body of scholarship.

- **6** - Critical Analysis falls between Rating 7 and Rating 5.

- **5** - Author identifies the argument of scope of each text under review. Draws some comparisons and contrasts between various texts and attempts a broad characterization of the scholarship.

- **4** - Critical Analysis falls between Rating 5 and Rating 3.

- **3** - Inconsistently identifies scope or argument of each text under review. May draw some comparisons between texts, but demonstrates no synthetic or overarching understanding of the scholarship as a whole.

- **2** - Critical Analysis falls between Rating 3 and Rating 1.

- **1** - Failure to identify arguments of texts under review. Makes almost no attempt to discuss the texts in relation to one another.
Create and Submit Assignment

Review Peers’ Submissions

Read and Rate Feedback

Valid and Reliable Grades

Group Project Video Assignment
1. Create and **Submit** Assignment

2. **Review** Peers’ Submissions

3. Read and Rate **Feedback**

4. **Valid and Reliable** Grades

---

**Your Received Comments**

**Thesis Statement**: Your introduction was very solid. You used all of the key components to setup the paper for success. The thesis statement is a little confusing and could be tightened up. Try simplifying your argument so that your point is very clear.

**Provide Feedback**

Rate the helpfulness of this comment. Then provide a comment back to the reviewer about how they could improve their review.

Rate your received comments: 4

Give feedback here:

Please answer the prompt listed above.
1. Create and Submit Assignment
2. Review Peers' Submissions
3. Read and Rate Feedback
4. Valid and Reliable Grades
Standard Assignment Grading

Submission Grade + Reviewing Grade (Accuracy + Helpfulness) + Task Grade = Overall Grade

Grade weights are customizable according to instructor preference.
• Grading algorithms adjust peer scoring to be as accurate as an instructor

• Students with higher reviewing accuracy scores have a greater effect or weight on the submission grades.

• Instructor reviews are considered to be 100% accurate and will affect the accuracy scores and weights.
Can be used for groups or small class peer to peer evaluations

Improves collaboration skills
Team Member Evaluation Updates

- Require comments or keep them optional
- Use average score received as the assignment grade
- Download “Detailed Evaluation Data” to see the ratings and comments given by each student
Learning analytics to improve outcomes...
Learning analytics to improve outcomes...
Instructor Onboarding

- Rubric Support
  - Pre-built rubrics
  - Crowd-sourced rubrics
  - Share rubrics within departments
  - 1-on-1 rubric design
  - Zoom support
Instructor Onboarding

- **Knowledge Base**
  - Student facing videos and articles

- **Weekly office hours for instructor support**

- **Student email support**
Peerceptiv Usage at UVA

Jennifer Sessions - Associate Professor of History

Departments
- Religion
- Statistics
- English/Creative Writing
- Biology
- Astronomy
- History

Assignment Types
- Reading Reflections
- Scientific Writing
- Final Projects
- Statistical Analysis
- Lab Reports
- Research Proposals
What’s next?

- Contact Peerceptiv Support team (support@peerceptiv.com) for more information or help setting up assignments.

- Visit the Peerceptiv Knowledge Base for help articles and video tutorials.

- Check out the UVA page on using Peerceptiv

Thank you!