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Exploring Gradient: An interactive online peer-review and assessment tool.

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Recommended Citation
Computer Mediated Peer Review
What is Gradient?

- Web-Based
- Developed by ITaP Informatics Team
  - Faculty & Academic Support Staff involved in design and revisions
  - Used in multiple disciplines
Benefits

Develop student skills in...

• Collaboration
• Writing and Revision
• Critical Reading
• Higher Order Thinking Skills
What is Gradient?

• Anonymous
• Calibrated
Benefits

• Different levels of student expertise
• Quantitative and qualitative feedback
• Convenient for peer review outside of class
• Fosters asynchronous feedback.
• Supports learning-centered pedagogy
• Drives students to participate actively
• Provides performance data on students and class
Caveats

- Concerns about reliability or credibility
- Discomfort in reviewing others’ work
- Defensiveness about their own work
- Varying degrees of engagement and participation
- Passive resistance
- Varying access to and proficiencies in using technology
How Gradient Works for Students

Submit
- Submit your essay

Calibrate
- Review 3 samples based on set criteria

Peer Review
- Review peer assignments based on same criteria

Self-Review
- Review your assignment based on same criteria
Try it!
Step 1 – 10 minutes

1. Got a device?
2. Partner up
3. Get Gradient - www.purdue.edu/review
4. Answer the question
Try it!
Step 2 – 5 minutes

1. Go to Calibration Essays (SAMPLE ESSAYS)
2. Answer questions for 1st essay (comments)
3. Answer questions for 2nd essay (comments)
4. Answer questions for 3rd essay (comments)
Try it!

Step 3 – 5 minutes

1. Go to Peer Evaluations (other participants’ essays)
2. Answer questions for 1st peer’s essay (comments)
3. Answer questions for 2nd peer’s essay (comments)
4. Answer questions for 3rd peer’s essay (comments)
Try it!
Step 4 – 5 minutes

1. Go to **Self-Assessment** (your original essay)
2. Answer questions for essay
Other similar products

• Google search for peer review or computer-assisted peer review

Comparing products?
  – Calibrated?
  – Anonymous?
  – Comments captured?
  – Easy for students and faculty?
  – Tie to LMS / grading?