



FEEDBACK

Using Feedback to Improve Student Learning



1

Agenda

Importance of Feedback

Current Practices

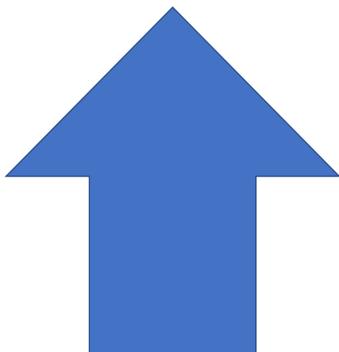
In Person and Online Strategies

2

Importance of Feedback

3

Why Feedback Matters



- Effort
- Achievement

Hattie & Yates (2014)

4

Video Game Example



5



© wavebreakmedia/shutterstock.com

The Academic Self-Regulation Process

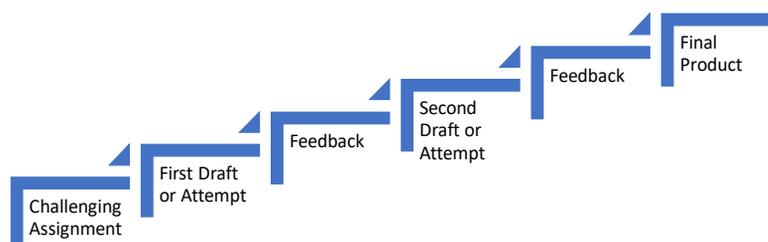
6

Self-Regulation Process



7

Re-thinking Assignments: An Equity Issue (Taras, 2006)

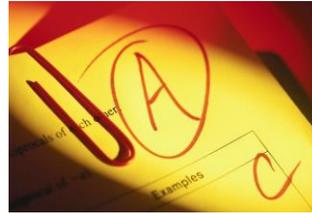


8

8

Characteristics of Effective Feedback

- Connected to a standard” (i.e. rubric)
- Informs the student
- Specific and constructive
- Prompt and frequent



(Wlodkowski, 2008):

9

9

Feedback Principles

Nichol and Macfarlane-Dick (2006)

Clarifies goal

Facilitates self-assessment

Delivers high quality information

Encourages dialogue

Motivates

Improves performance

Guides teaching

10

Current Practices

11

What is the most common type of feedback provided on papers?



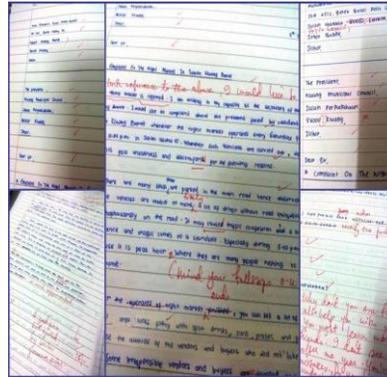
12

What Feedback Do Students Get?

Stern and Solomon (2006)

Method:

- 30 student portfolios (all their work during college) were randomly selected
- A total of 598 papers were reviewed



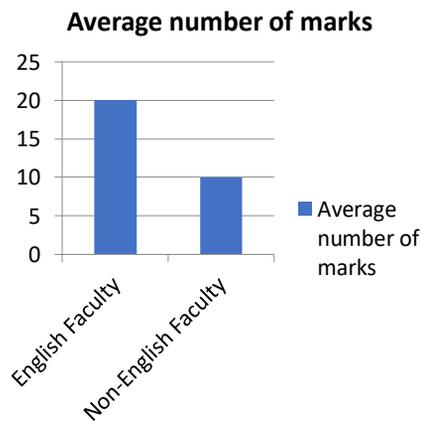
13

13

Feedback: Faculty Comments

Stern and Solomon (2006)

Only
8%
used a
rubric!



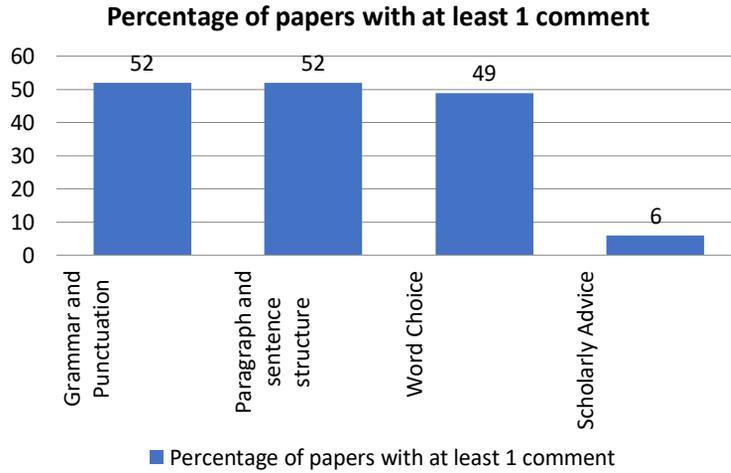
No major differences between type of comments, except that English faculty made more technical comments

14

14

Feedback: Faculty Comments

Stern and Solomon (2006)



15

15

Feedback: Faculty Comments

Stern and Solomon (2006)



Is this what we want to emphasize?

16

16

Faculty Feedback

Stern & Solomon 2006

What We Say is Important...

- Big Picture
- Organization
- Content



What We Give Feedback On...

- Technical corrections
 - Spelling
 - Grammar
 - Word Choice



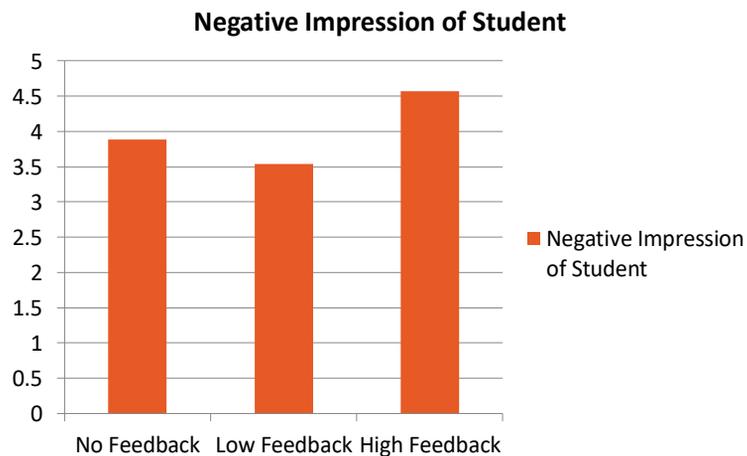
www.drchristineharrington.org

17

17

Feedback: Too Much?

Ackerman & Gross (2010)



18

18

Poll Question

- What percentage of students understood the reason for the comments given by their professor?
 - 10%
 - 55%
 - 65%
 - 90%

19

Student Comprehension of Comments

All our words from loose using have
lost their edge.
—Ernest Hemingway
(1899–1961)
from Death in the Afternoon *the*

Only 55% of the students
understood the reason for the
comment.

Taylor 2011

20

Zoom in on What is MOST Important



21

In Person and Online Strategies

22

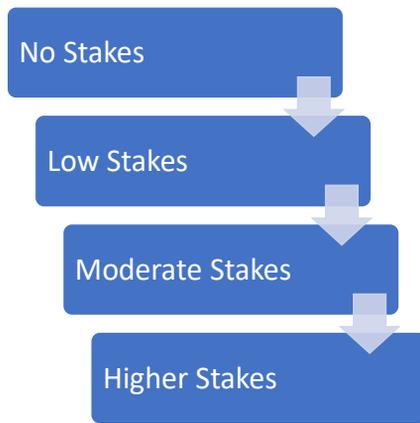
Let's Re-Think Feedback: Building Feedback into Course Design



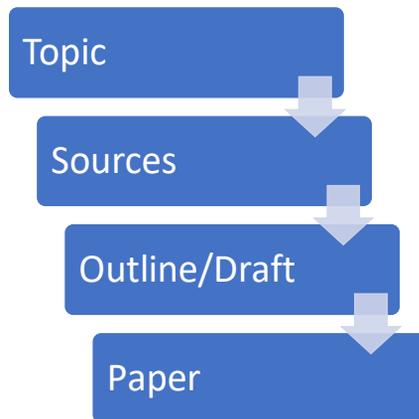
23

Scaffolding Assignments

Low-High Stakes to Build Self-Efficacy



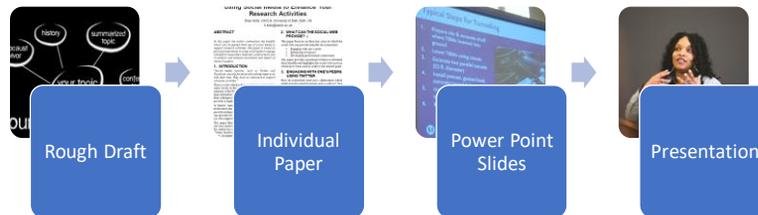
Breaking Down Assignments to Benefit from Feedback



24

24

Feedback: Linking Assignments?



25

25

Resources that can Help

Models- Sample Papers or
Presentations

Rubrics for Assignments

26

Self-Assessment via Rubric

Analytical Rubric			
Paper	"D" or "F" Work	"B" or "C" Work	"A" Work
Content	Inaccurate or minimal information included; Lack of organization or flow; Did not include original research studies	General overview of the topic; Accurate but missing important information. Difficult to differentiate between main points and details; Some details about at least 3 original studies	Comprehensive overview of the topic; Information was accurate and complete; Major points were emphasized; Good details about at least 3 original research studies; Well organized
Writing Skills	Did not address three main themes. Limited to no research support for statements. Citations not used or inappropriately used. Several spelling and grammatical errors.	Good organization- included organization, described 3 main themes, conclusion summarized key points. Most statements supported by research. APA style was used. Few spelling and grammatical errors.	Well organized- clear introduction, description of approximately 3 main themes, and strong conclusion. Research supported all statements and APA Style was used. Free of grammatical and spelling errors
Resources	Did not include at least 7 scholarly sources; Sources were not research based or related	At least 7 scholarly sources were used- some were not research based or not directly related to the topic	At least 7 scholarly sources were used; All sources directly related to topic. At least 3 original studies included

27

Break Out Room Discussion

- What opportunities do you give your students for feedback?
- How might you increase opportunities for feedback?



28

Monitoring Progress: Types of Feedback

Cognitive Feedback

- During homework or studying process

Outcome Feedback

- After students receive their grade

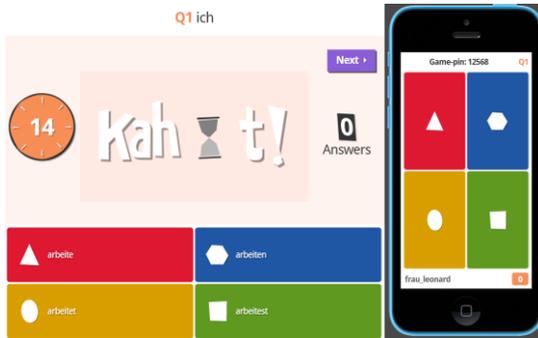
29

Cognitive Feedback: In Person Approaches



30

Cognitive Feedback: In Person Approaches



31

Cognitive Feedback: In Person Approaches



**Power of
VERBAL
Feedback**

32

32

Cognitive Feedback: Online Courses



- Weekly quizzing
- Testing until you get it correct

Landrum (2007); Di Hoff, Brosvic, & Epstein (2003); Epstein, Epstein, & Brosvic (2001)

33

33

Cognitive Feedback: Online Courses



34

Outcome Feedback: In Person and Online Courses

A Post-Exam Reflection Exercise

Part I: Predicting Your Performance

First identify the main topics covered on the exam in the content column. Then list the strategies you used to study the material and the amount of time you devoted to studying each topic. In the prediction column, predict your overall grade on the exam and how well you answered questions related to the topics. Here, you can indicate percent correct or a scale of 1-10 depending on the exam type. Percent correct predictions can work well with multiple choice questions while rating scales will probably work better for short answer or essay questions. Complete these steps before you get your grade.

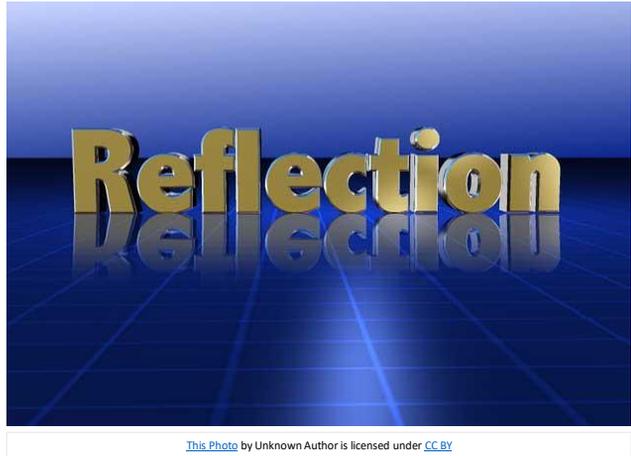
Part II: Your Actual Performance and Accuracy

When you receive your grade, write down your actual overall grade and capture your performance on the topics you listed. Completing the topic information will require you to review your performance on individual exam items, looking for questions related to each topic. This is an important part of the process because it will allow you to see which topics you mastered and which ones may require more work to learn. The way in which you enter this information may vary depending on the nature of your exam. For example, you may indicate that you got 5/8 multiple choice questions correct or that you earned 18/20 points on an essay question related to that topic. After you enter the actual grade, indicate whether your prediction was accurate or if you over- or under-estimated your performance.

Part III: Action Plan

This last part is perhaps the most important step. Here, you are identifying action steps you can take to improve your overall performance or the performance on certain topics. Consider your studying behaviors. Did you spend more time on one topic versus another? Did you use different study techniques? What strategies can you use the next time you are studying? You can also look for error patterns. Did you perform better on multiple choice or essay items? Were there any test-taking behaviors that impacted your performance? Put these study and test-taking strategies into action and then assess whether or not they worked after your next exam.

Content	Studying Behaviors	Prediction	Actual	Accuracy?	Action Plan
Overall Test Grade					
Topic 1					
Topic 2					
Topic 3					



35

Break Out Room Discussion

- What opportunities do you give your students for feedback?
- How might you increase opportunities for feedback?



36

Feedback can be time-consuming



37

Targeted Feedback



Feedback on
one aspect
of the
assignment

38

Why Peer Feedback?



- Limited Instructor Time for Feedback
- Opportunity to Learn from Peers
- Exposure to Models

39

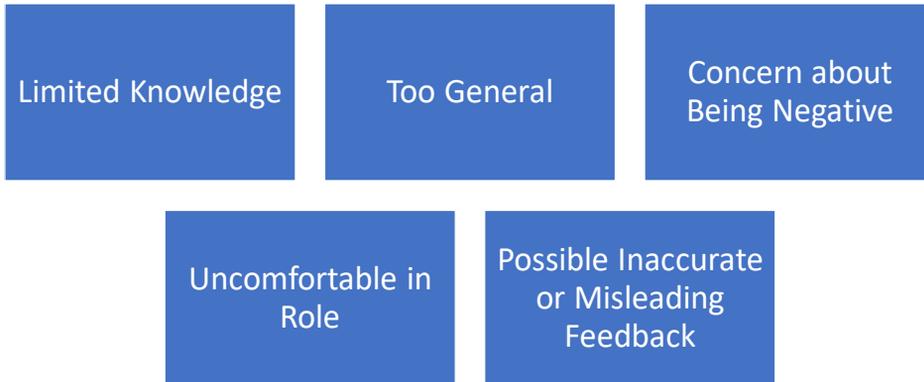
What are the challenges of peer feedback?



This Photo by Unknown Author is licensed under CC BY-SA

40

Challenges of Peer Feedback



41

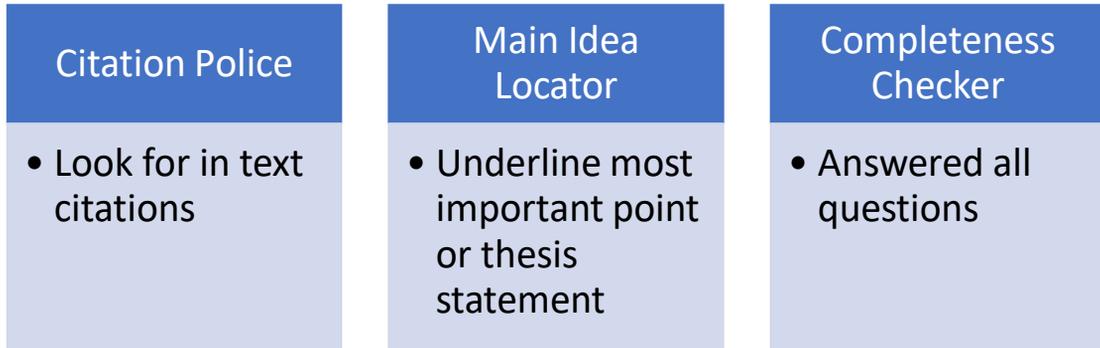
Conveyer Belt Model (Facey, 2011)



- Divide Students into Several Groups
- Train Students on Specific Type of Feedback
- Use Class Time to Provide Feedback

42

Conveyer Belt Model (Facey, 2011): An Example



43

Peer Feedback

Rubrics



- Excellent
- Very good
- Good
- Average
- Poor

Form/Brief Paper



44

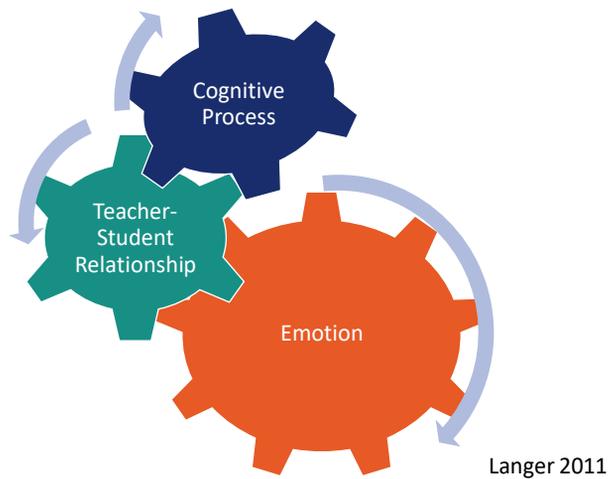
Faculty Role in Peer Evaluation



- Train Peers
- Conduct Quality Check
 - Consider Grading Feedback

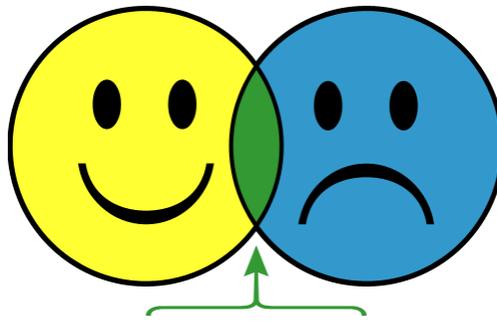
45

Feedback is Complex



46

Emotions and Feedback



47

Break Out Room Discussion

- Describe a time where you had an emotional reaction (positive or negative) to feedback.



48



© Tyler Olson/Shutterstock.com

The Role of Attribution Theory

49

Mueller and Dweck's (1998) Study



Poll Prediction Time:
 Who Performed **the BEST**?
 Who Performed **the WORST** on the
 last puzzle?

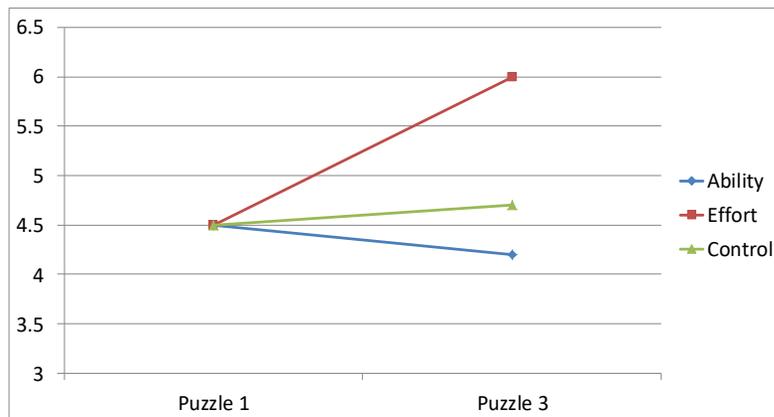


www.drchristineharrington.org

51

51

The Results...



www.drchristineharrington.org

52

52

Students in Ability Praise group



- Solved less puzzles correctly
- Did not want to persist on tasks
- Did not enjoy the task as much

as students in the effort praise group.

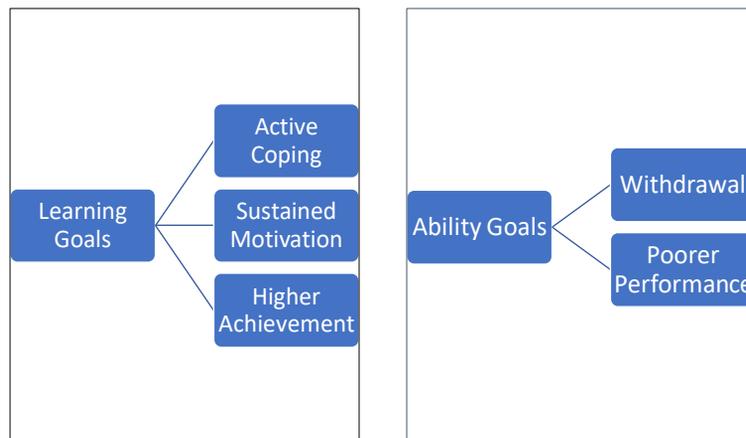
www.drchristineharrington.org

53

53

True in College Too?

Grant and Dweck (2003)



www.drchristineharrington.org

54

54

Our Role...

Help students attribute their mistakes to something that is INTERNAL and CHANGEABLE (like effort)!

www.drchristineharrington.org

55

55

Chat:
What Will You Take-Away from this Presentation?



56

Thank you!

Questions? Contact me at drchristineharrington@gmail.com