Feedback Without Fatigue Ways to Provide Students with Effective Feedback

Ways to Provide Students with Effective Feedback while Avoiding Burnout

http://bit.ly/NCTM19feedback

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Goals for this session:

- → Define effective feedback
- → Develop reflective practices and classroom activities for issuing verbal and written feedback
- → Practice providing feedback

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| What is feedback? | Visit |
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What is feedback?

- Communication with students
 Addresses what is correct and elaborates on what students need to do next
- Helps to meet students' needsConnects to learning

objectives/standards

 Focuses on students' work and explanation of their processes

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Why is feedback important?

- → Engages students and teachers in the learning process
- → Helps students make connections from process to product
- → Allows students to see how close they are to achieving their goals
- → Provides students with information about their math *performance*

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Effective Feedback: John Hattie and Helen Timperley

- → Where am I going? (Goals)
- → How am I getting there? (Process)
- → Where to next? (Extend and Connect)

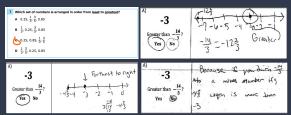
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The research quite clearly shows that **kids who are graded** – and have been encouraged to try to improve their grades – tend to **lose interest in the learning itself**, avoid challenging tasks whenever possible (in order to maximize the chance of getting an A), and think less deeply than kids who aren't graded.

-Alfie Kohn

"

When you look at student work, what do you see?



| Cat | egorizing Student Work | → Tho | orough Understanding/Explanation (UE) | |
|-----|------------------------|-------|---|---|
| | | → Tho | orough Understanding (U) | |
| | | → Mis | sconception with Concept (MC) | |
| | Activity: | → Mis | sconception with math not directly tied | |
| | Formative | to c | concept (MM) | |
| | Assessment Sort | → No | Understanding of Concept (Ø) | |
| | rissessificine sore | → Abs | sence (A) | - |
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Reflection:
How does categorizing help us provide effective and timely feedback?

| Pick Three Activity Sheet For three students' responses: → Identify which type of feedback would be most helpful for this student (which question's answe would help them most?) → Document specific feedback you might give to this student. | |
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|--|--|

"In the Moment" feedback

Before feedback, allow for:

- → Goal-Setting
- → The Struggle!
- → Student Reflection Time
- → Peer Feedback
- → Student Dialogue/Explanation

Avoid:

- → Too Much Feedback
- → Student Dependence
- → "Meaningless" Feedback
- → "Pencil-Grabbing"
- → Judgment

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Activity: 10 Minute "Quickfires" Let the Students Do the Work! Ask Questions Student Discussion Student recorded/spoken explanation

10 Minute Quickfire: Asking Questions/Conferring

Student Rules:

- → Try your best to jump into the brain of a seventh grader (scary, I know)
- → You write, you explain

Teacher Rules:

- → You are only allowed to *ask* questions
- → Think about what you are learning as you listen
- → Do not grab for that pencil!

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10 Minute Quickfire: Asking Questions/Conferring

Student Math Task:

A large pizza has a diameter of 12 inches. A small pizza has a diameter of 6 inches.

Jasmina claims, "I get the same amount of pizza from three small pizzas as from one large pizza!"

Is Jasmina correct about the pizzas?

- → If you think she is correct, explain why.
- → If you think she is incorrect, replace her claim with one that is correct.

If the price for a small pizza is \$3, what is a fair price for a large one? Explain your answer.

| | 10 Minute | Quickfire: | Asking | Questions | /Con | ferring |
|--|-----------|------------|--------|------------------|------|---------|
|--|-----------|------------|--------|------------------|------|---------|

Teacher Guiding Questions:

- → What do you notice?
- → What do you need to know to solve this problem?
- → Where do you want to start?
- → Why do you think this is the next step?
- → Are you confident in your answer?

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10 Minute Quickfire: Asking

Teacher Guiding Questions:

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| MID: / Pik. /

| | | What did you /w | ould you learn about | the student's |
|--|---|---|---|---------------------------------|
| | | | Control and a control | |
| | | | from this activity? would this student f | fit into? |
| | | | suggest as next step | • |
| Reflection: | | student after ha | ving this conversatio | n? |
| Kejicetion. | | - | move forward in your | |
| | • | Enhanceme | nt suggestion: Extendation automatically movin | d the concept |
| | | | uggestion: small grou | |
| | | | explanation | http://bit.ly/NCTM19feedback 19 |
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| 10 Minute Ou | ickfir | e. Studer | t Nisrussio | n |
| 10 Minute Qu | | | t Discussio | n |
| 10 Minute Qu Showdown (all of you are | | | t Discussio | n |
| Showdown (all of you are and showdown). Pick one of the cards | students from the | <i>for this one!):</i> pile. | | n |
| Showdown (all of you are and all of you are and all of you are all all of you are all all of you are all of the cards all of | students from the the task | <i>for this one!):</i> pile. on their own dr | y erase board. | |
| Showdown (all of you are solutions) 1. Pick one of the cards of the c | students from the the task | <i>for this one!):</i> pile. on their own dr | y erase board. | |
| Showdown (all of you are solutions) 1. Pick one of the cards of the c | students from the the task dy, the g | for this one!): pile. on their own dr oup yells "SHO! | y erase board. VDOWN!" and reveals | s their |
| Showdown (all of you are : 1. Pick one of the cards 2. Everyone, solo, solves 3. When everyone is read boards. 4. If everyone agrees, wr | from the the task dy, the g | for this one!): pile. on their own dr oup yells "SHO\ | y erase board. VDOWN!" and reveal: iece of paper (take tu | s their urns writing |
| Showdown (all of you are solutions) 1. Pick one of the cards of the c | from the the task dy, the g rite the a | for this one!): pile. on their own dr oup yells "SHO\ nswer on your p us, each person o | y erase board. VDOWN!" and reveal: iece of paper (take tu | s their urns writing |

Reflection:

- → What did you/would you learn about the student's understandings from this activity?
- → What would the teacher be doing during this activity?
- → What would you suggest as next steps for each student?
- → How would you move forward in your instruction?

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| 10 Minute Quickfire: Student Spoken/Recorded | |
|---|--|
| Digital: → Blabberize Unplugged: → Sage-N-Scribe → Sage-N-Scribe → Sage-N-Scribe → Sage-N-Scribe Digital: The Application of the math problems from the category sort. Sort. The Application of Blabberize or in the Sage-N-Scribe activity (or come up with your own!) | |
| | |
| | |
| 10 Minute Quickfire: Student Spoken/Recorded | |
| Digital: → Blabberize Unplugged: → Sage-N-Scribe → Digital: Trade your "Blabberized" picture with another person; provide feedback to this "student" → Unplugged: Scribe should determine what type of feedback the Sage should receive | |
| Into J. Dat. In J. Will Mill Streeback. 23 | |
| | |
| → What did you/would you learn about the | |
| student's understandings from this activity? What would the teacher be doing during | |
| Reflection: this activity? → What would you suggest as next steps for | |
| each student? → How would you move forward in your | |
| instruction? http://doi.br/NCIM19Seedback.24 | |

Activities Geared Toward Providing Instant/Timely Feedback

Digital:

→ <u>Desmos</u>

Quizlet

→ <u>Kahoot</u>

→ Socrative

Unplugged:

→ Sage-N-Scribe

→ Showdown

→ Pairs-Compare

→ Setting Weekly Goals

Remember: Discussion and questions are key!

"The power of teaching is in the art of listening." -John Hattie

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Additional Ways to Provide Feedback

- → Rubrics
- → Peer Review
- → Student Self Reflection
 - General/Quarterly

 - Content Specific
- → Google Forms
- → Post-Its
- → Student-Input Rubrics
- → Observation Data
- → Progress toward SMART Goals
- → Ask your students!

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