Teaching for Understanding with New Technologies

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Connecting educational research with practice

Challenge = bridge knowledge-action gap
Workshop Goals

• **Goal 1:** Understand more about how to apply the Teaching for Understanding framework to integrate new technologies into lessons.

• **Goal 2:** Understand how to refine designs for ICT-enhanced lessons to improve teaching and learning.

• **Goal 3:** Understand how to work effectively as part of collaborative, reflective team.

• **Goal 4:** Other goals?
Using theory

To design and analyze teaching and learning
Teaching for Understanding: DNA of Great Teaching

• **Generative Topics** – What is worth understanding?
• **Understanding Goals** - What do we want learners to understand?
• **Performances of Understanding** - How can learners develop and demonstrate understanding?
• **Ongoing Assessment** - How can we assess understanding?
• **Collaborative, Reflective Communities** – How will teachers/leaders and learners work together?
New technologies enhance Teaching for Understanding

- Make curriculum topics more generative
- Make understanding goals accessible
- Enrich performances of understanding
- Integrate ongoing assessment, feedback, revision
- Support reflective, collaborative communities

Teaching for Understanding Amplifies the impact of technologies
Define a Target of Difficulty: focus on a topic that is...

Use Technology Where It *really* Helps
Teaching for Understanding with New Technologies

How do these ideas relate to your lesson design?

• What is similar?
• What is different?
• What puzzles do you have?
• What challenges will you face?
Providing Effective Feedback
Ladder of Feedback Protocol

• Clarify—gather information
• Value—appreciate strong aspects of the work
• Offer concerns—name puzzles and raise questions respectfully
• Suggest—provide constructive feedback, not mandates
Review your design with the rubric

• Share your insights/puzzles/strategies about:
  Generative Topic,
  Understanding Goals,
  Performances of Understanding,
  Ongoing Assessment,
  Collaborative, Reflective Community

• Use the rubric to analyze your design and the Ladder of Feedback protocol to guide your dialogue
Assessment of Workshop

- Reflect on your own goals and learning
- Complete Workshop Assessment form
- Provide feedback to workshop leaders