

A photograph of several young children in a classroom setting. They are gathered around a computer monitor, looking intently at the screen. The children are wearing white shirts. The background shows other students and classroom furniture, including a desk with a keyboard and a blue object. The text is overlaid on the image.

Teaching for Understanding with New Technologies

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Connecting educational research with practice

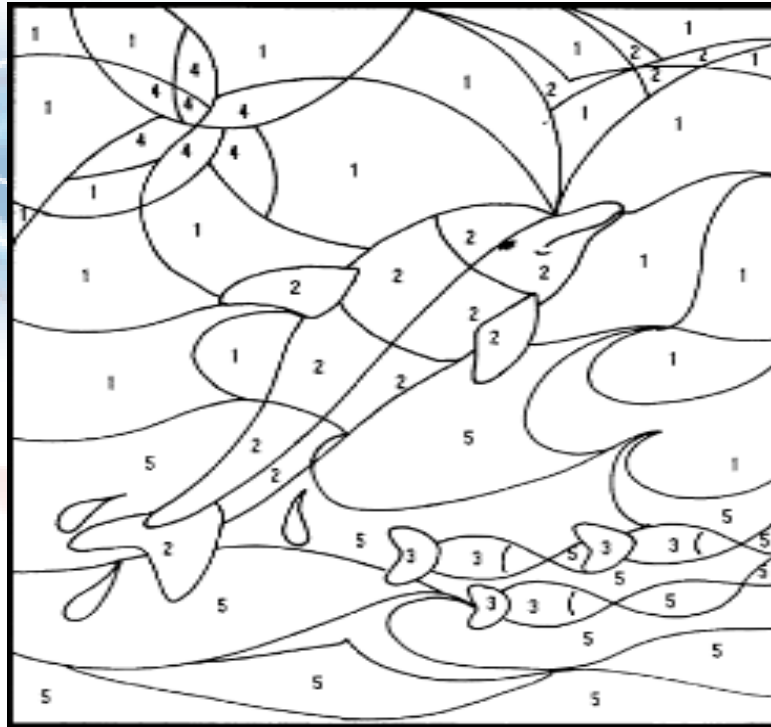


Challenge = bridge knowledge-action gap

Workshop Goals

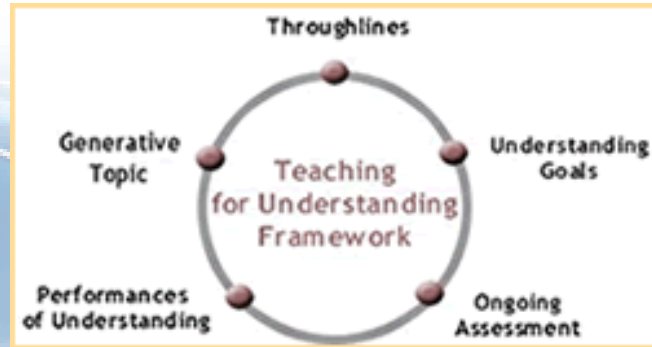
- **Goal 1:** Understand more about how to apply the Teaching for Understanding framework to integrate new technologies into lessons.
- **Goal 2:** Understand how to refine designs for ICT-enhanced lessons to improve teaching and learning.
- **Goal 3:** Understand how to work effectively as part of collaborative, reflective team.
- **Goal 4:** Other goals?

Using theory



To design and analyze
teaching and learning

Teaching for Understanding: DNA of Great Teaching



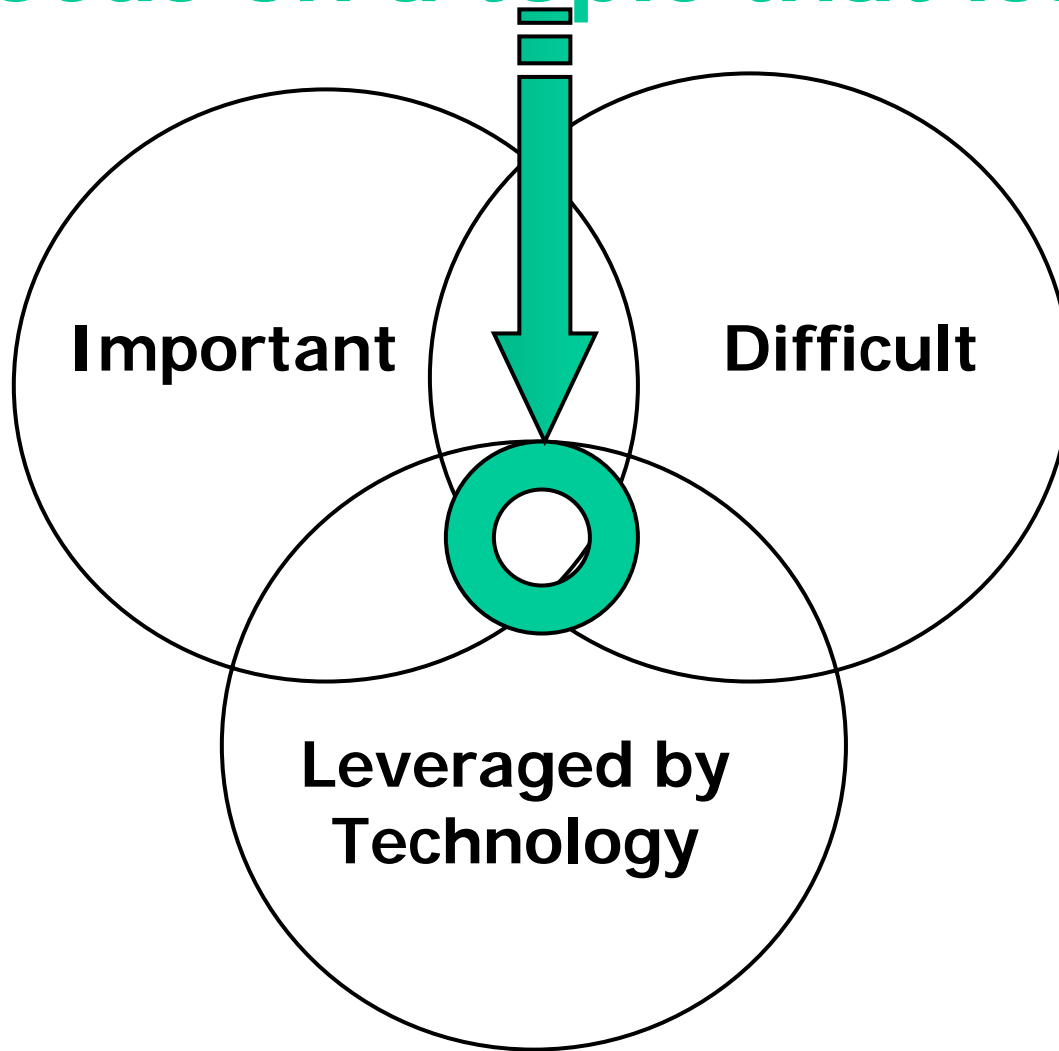
- **Generative Topics** – What is worth understanding?
- **Understanding Goals** - What do we want learners to understand?
- **Performances of Understanding**- How can learners develop and demonstrate understanding?
- **Ongoing Assessment** - How can we assess understanding?
- **Collaborative, Reflective 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