

Disclosures

• We have none



Why professional development is critical

For clinicians



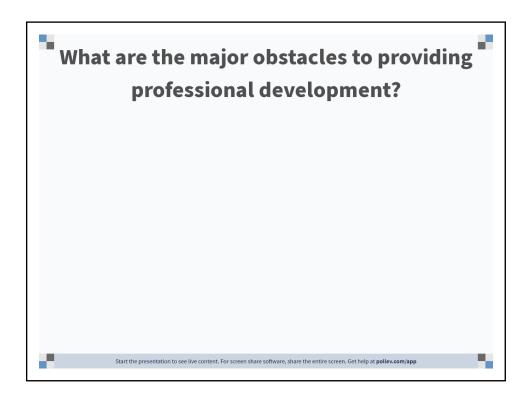
- · Rapidly growing medical knowledge
- · Changing delivery systems
- · Increasing complexity and volume of patients

For teachers



- Problematic learning environment
- · Changing pedagogy and technology
- Clinicians frequently have not received formal training as teachers
- Increasing numbers of trainees

Lectures	30-60 minutes
Seminars	60-90 minutes
Workshops	60-120 minutes
Courses	1/2 to 14 days or more



Major challenges



- Time
- Increasing clinical responsibilities and other nonclinical responsibilities
- Motivation
- Lack of prioritization of medical education

What usually happens?

People who don't need it, show up

People who need it, don't show up

New Model - The Microburst

- Embedded in existing meeting
- Condensed, focused learning
- Existing meeting is mandatory
- **Convenient**
- **Efficient**
- **Motivated**

The Medical
Education
Roadshow:
Delivering
Faculty
Development to
Busy Clinician
Educators When
They Least
Expect it

Lau, et al. JCEHP 2021;41:157-160 Department of Obstetrics, Gynecology, and Reproductive Biology, MGH

Pre- Medical Education Roadshow (1 - 3 hours)

Select faculty development topic

Prepare short presentation (<15 minutes) on topic, with focus on actionable learning point(s)

Consider how to offer an interactive presentation format



Medical Education Roadshow (15 minutes) Introduction to Topic (2 - 3 minutes)

Offer overview of topic, including motivation for addressing the topic, and impact on educators, learners, or the learning environment

State learning objectives

Summarize what was covered during prior roadshows

Faculty Development Presentation (8 - 10 minutes)

Present material to fulfill learning objectives

Solicit experiences and incorporate discussion, where relevant, to engage participants

Conclusion (1 - 2 minutes)

Summarize 1-3 key learning point(s)

Ask faculty to think of one teaching behavior change

Solicit questions and feedback

Remind participants of departmental resources for educators

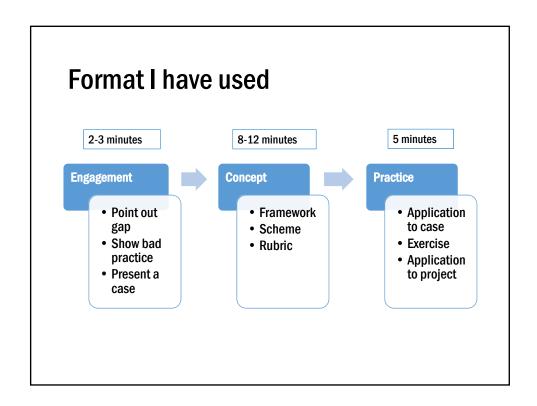
Collect confidential educational evaluation form

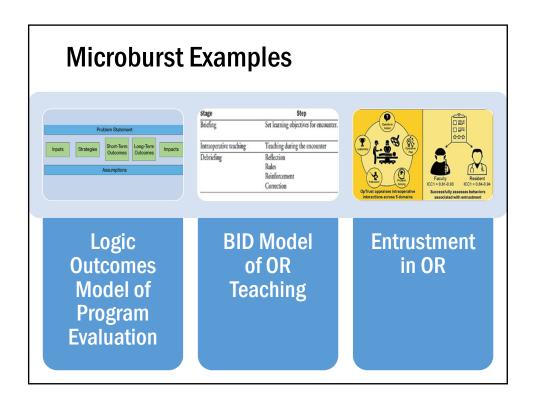


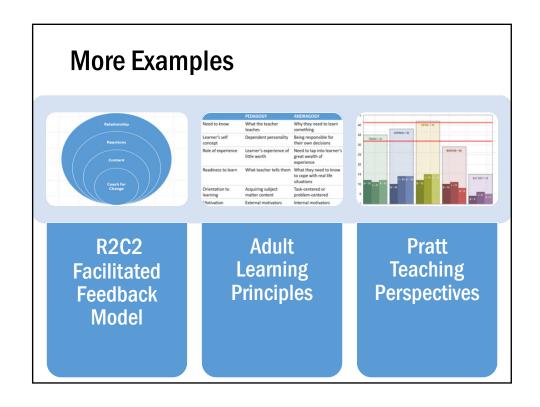
Post- Medical Education Roadshow

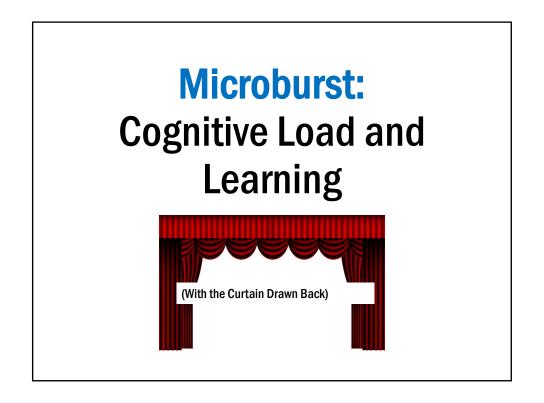
Review participant feedback

Assess input regarding the next faculty development topic

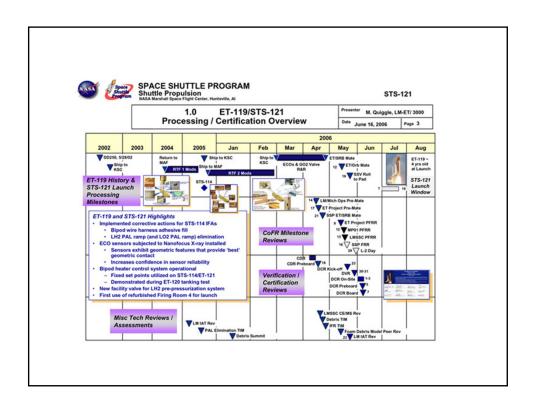


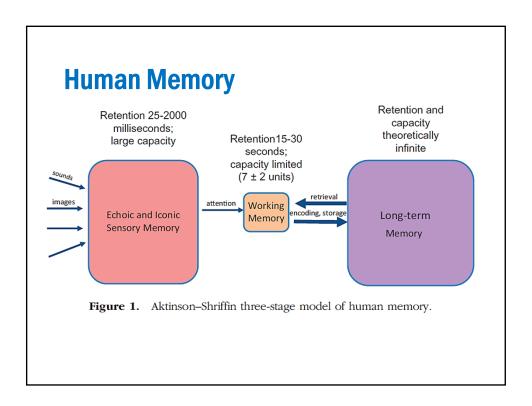


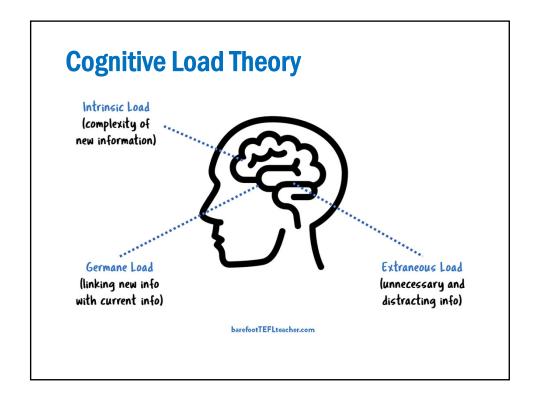


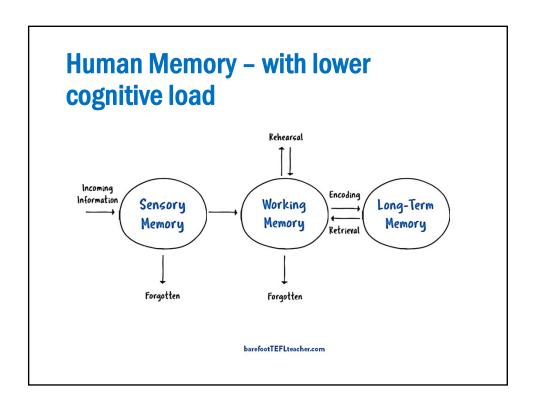


What's wrong with this PowerPoint slide?









Maximizing learning

To decrease Extrinsic load

- Avoid distractions or splitting attention
- Use problem completion
- Provide worked example
- Use visual and auditory modalities (and don't overload either)

To manage Intrinsic load

- Chunking
- Progress from simple to complex
- Progress from low to high fidelity

To optimize Germane load

- Activate prior knowledge
- Interleaving (not AAA-BBB-CCC, but ACBBCABAC)
- Provide variability
- Use generation effect

Understanding cognitive load, how would you respond to this challenge...

You have been asked to give a talk to beginning healthcare professional learners on the 27 different steps in discharging a patient from the hospital. How would you approach this challenge in order to maximize learning.

Managing Cognitive Load: Take-home approaches

- 1. Minimize distraction by non-essential elements
- 2. Pre-digest difficult concepts
- 3. Help them build frameworks of knowledge

