Improving Digital Learning: 10 Multimedia Principles

Prova Education applies the 10 Multimedia Principles as defined by Richard Mayer.[1]
The result is education that is clear, simplified, and easily processed.

Simplify

1. Coherence
Simplify as much as possible; avoid extraneous words/pictures

2. Signaling
Provide cues that highlight essential material

3. Redundancy
People learn better from graphics + narration; avoid repeating content in different ways

4. Spatial Contiguity
Present text & pictures in close proximity to each other on screen

5. Temporal Contiguity
Text & narration should appear simultaneously

6. Segmenting
Present material in segments vs a continuous unit

7. Pre-training
Explain main concepts before going into depth

8. Modality
Utilize spoken word/narration & graphics vs just text
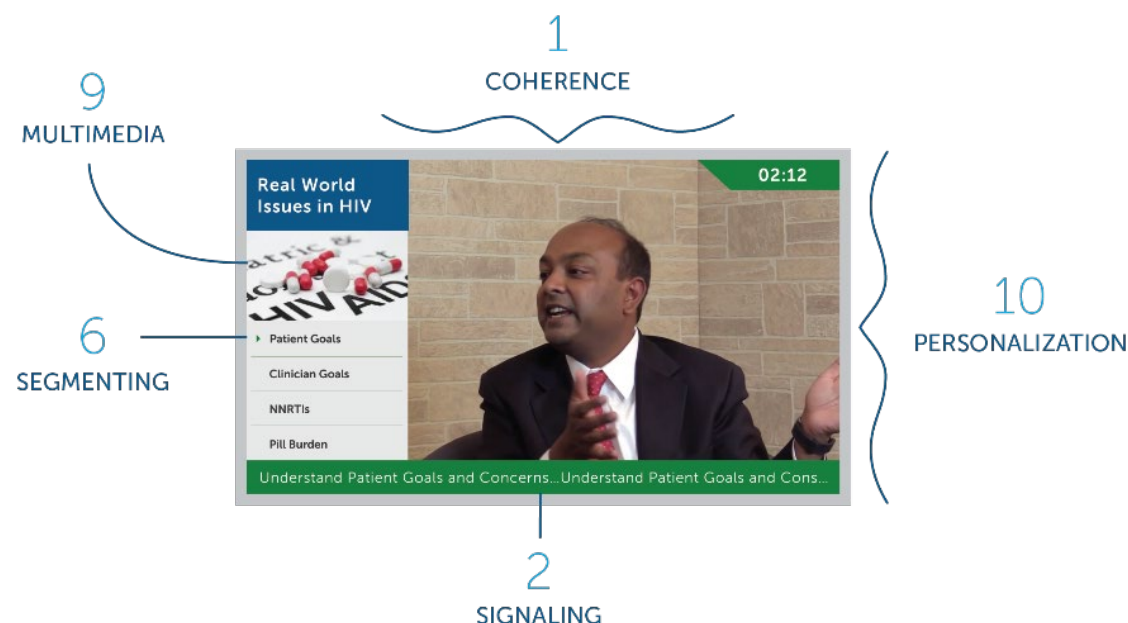
9. Multimedia
Utilize words & pictures vs words alone

10. Personalization
Utilize words in conversational style rather than formal style

Manage Essential Processing

Foster Generative Processing

9 MULTIMEDIA
1 COHERENCE
6 SEGMENTING
10 PERSONALIZATION
2 SIGNALING

Real World Issues in HIV 02:12
- Patient Goals
- Clinician Goals
- NNRTIs
- Pill Burden

Understand Patient Goals and Concerns…Understand Patient Goals and Cons…

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[1] Adapted from: Multi-Media Learning 2nd edition 2009, by Richard Mayer.