LPS: Navigating Learner Variability

LEARNER MODELS

Learner Positioning Systems (LPS) distills research on content area, cognitive, social-emotional, and other student factors to help educators and product developers support the variability of all learners.

GOALS OF THE LEARNER POSITIONING SYSTEMS INITIATIVE

- Educators and product developers support the goals of the Learner Positioning Systems Initiative.
- Emotional, and other student factors to help
- Research
- Support the development of more effective strategies, based
- Improve our capacity to understand learners at an individual level
- Provide practitioners and learners with more evidence-based, based
- Support the development of more effective, research-based learning strategies
- Support the development of more effective, research-based educational products and services

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METHODS

Goals of the Learner Positioning Systems Initiative

1. Determine content area (e.g., reading, math) and age range
2. Assemble Advisory Board of leading academic researchers who examine the content area as well as cognitive, social-emotional, and background variables that affect learning
3. Review existing research literature, focusing on recent review papers, to identify state-of-the-science results
4. Develop a draft of key research-based factors for advisory board to review and refine
5. Create accessible summaries of each factor to present definitions and main ideas, with annotated bibliographies available for more information
6. Identify connections among factors to show complexities of learning processes
7. Using factor list, identify evidence-based strategies to address learners’ needs
8. Continually review new research and add factors and strategies as needed to model

PARTNERSHIPS

LPS partnerships aim to increase awareness and understanding of learner variability with the goal of supporting the use of more evidence-based strategies to address learners’ needs. Partnerships with educators include outreach to:

- School district administrations and educators,
- Teachers’ professional organizations, and
- Teacher educator programs.

Partnerships with educational technology developers involve a collaborative process:

One example of an LPS partnership is with ReadWorks, a nonprofit online article library for K-12 educators.

Working with LPS, ReadWorks added many evidence-based features to their site to improve support for all learners, including:

- Text-to-Speech audio options that support Vocabulary, Emotion, Memory, and more
- Student choice options (e.g., text magnifier) that support Vision, Attention, and more

https://lps.digitalpromiseglobal.org