



COGx Online Professional Development

Science of Learning Series: Developing Sophisticated Learners



Program Name: Teach for Mastery
Duration: 10 hours
Register: www.cogx.info

Description of the Program

Scientists have learned more about the brain in the last 10 years than in all previous centuries. Some of the research findings support ways we teach and learn instinctively, and others are quite surprising! For example, focusing on pulling information out of the brain is an effective method to store information long term. And furthermore, we actually want students to forget a little bit before revisiting the material again. This program fills a common gap in teacher training, how do people learn? Gain a toolbox of strategies that will ensure your students remember what you teach them well beyond their time in your classroom.

Learning Outcomes (What you will learn)

- The architecture of human memory and its importance to learning success.
- How to organize units and lessons to ensure students won't forget what you've taught.
- Commonly held illusions, misbeliefs, and memory myths that inhibit learning.
- 8 evidence-based memory techniques that help students encode information.
- 4 evidence-based retrieval strategies that foster deeper learning and mastery.
- Teaching strategies and methods to help students recall information including activation of prior knowledge and retrieval practice.

Program Elements (How you will learn it)

- Live Webinar (recording available)
- 18 Video micro-lessons from experts
- Group Discussions
- 13 Visuals and Graphic Organizers
- 5 Application Guides
- Ongoing self-checks and application of concepts
- Direct access to your Program Leader
- Opportunities to give and receive feedback from your peers
- Teaching practice reflection



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Guest Lecturers (Who you will learn from)



UCLA

Robert Bjork

Professor of Psychology, University of California

Affiliations: Learning and Forgetting Lab, UCLA

Areas of Expertise:
Human Learning and Memory, Implications of Science of Learning for Instruction

Education: PhD in Psychology, Stanford University



UCLA

Elizabeth Bjork

Professor of Psychology, University of California

Affiliations: Learning and Forgetting Lab, UCLA

Areas of Expertise:
Human Learning & Memory; Implications of Science of Learning for Teacher Instruction

Education: PhD in Psychology from University of Michigan



Peling Li

COGx Curriculum Designer & Guest Lecturer

Areas of Expertise: Teacher training and development, and special education. Experienced educator and coach to teachers; professor of graduate courses at Urban Teachers, Johns Hopkins University.

Ed.D. Special Education, Johns Hopkins University; MA International Education Development, Columbia University



UC San Diego

Jarrett Lovelett

Cognitive Science

Affiliations: Learning Attention & Perception Lab, USC

Areas of Expertise: The Spacing Effect & Memory

Education: BA Cognitive Science, Yale University; M.A. Experimental Psychology, UCSD; PhD Experimental Psychology, USC