



# COGx Online Professional Development

Science of Learning Series: Developing Sophisticated Learners

Program Name:	Processing Information: Foundation to Learning
Duration:	9 hours
Price:	\$125
Register:	<a href="http://www.cogx.info">www.cogx.info</a>

## Description of the Program

Now more than ever, it is a challenge to grab students' attention spans. During their school day, students rely heavily on the three-processing skills, attention, processing speed, and working memory. In fact, a weakness in one or more processing skills can impact a student's executive function. Yet, the majority of educators have not received formal training and as a result, misunderstand processing and how it occurs. In this program, you'll learn how to successfully capture your student's attention, adequately address processing speed, and unlock the gateway to learning, working memory. Finish the course with a toolbox of strategies that can be applied to your teaching on Monday.

## Learning Outcomes (What you will learn)

- The 3 core cognitive skills essential for processing information and supporting executive function.
- The 4 types of attention and strategies to capture your students' attention.
- Common root-causes of inattention.
- The characteristics and limitations of working memory, the bridge to learning.
- How to arrange the content you are teaching to enhance working memory and reduce cognitive overload.
- Teaching strategies and methods to help students recall information including activation of prior knowledge and retrieval practice.
- Strategies students can use to optimize working memory.
- The science of effective multimedia learning and methods to improve teaching.
- The critical role processing speed plays in learning.
- Common symptoms of slow/fast processing speed on learning.
- Teaching methods and modifications that support the variety of processing speeds that exist in your classroom.
- Classroom strategies to optimize how your students' process information.

## Program Elements (How you will learn it)

- Live Webinar (recording available)
- 7 Video Micro Lessons from Experts
- Group Discussions
- 9 Visual Graphic Organizers
- 1 Application Guide (one-page guides of classroom strategies/techniques)
- 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



# COGx Online Professional Development

Science of Learning Series: Developing Sophisticated Learners

## Guest Lecturers (Who you will learn from)



**Javier Arguello**



Founder & Executive Director, COGx

Areas of Expertise:  
Research translation in cognitive science; development of programs to enhance learning outcomes.

Education:  
MPA, Harvard University;  
MBA, Yale University



**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.

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