



Case Studies

Our work with a Public School District

COGx translated learning science into 4 evidence-based programs that improve teaching and learning. This case study focuses on Developing Sophisticated Learners, professional development for educators, and Distilling the Science of Learning, professional development for school leaders.



“ From the very first communication with COGx, it was evident that their commitment to the Science of Learning and establishing meaningful relationships with future partners was paramount.

Superintendent



Our Work

COGx had the pleasure of supporting faculty members from over 52 schools who meaningfully contributed to serving a district of **24,500+ students**. We were fortunate to help them achieve their goal of training teachers on the Science of Learning, a body of research on how people learn from cognitive science.

During a partnership cycle, COGx meets with administrators and other intentionally selected faculty to learn about the school's strategic goals and culture. This includes making explicit connections between the school's mission, vision, and/or shared values (if applicable) and the Science of Learning. It is through this work we suggest customized paths for adoption.



Now, I better understand how to use the Science of Learning in my teaching.

Educator





What made this implementation unique?



Early Adopters

In this case, we began by establishing a cohort of early adopters. Early adopters play an important role in creating positive momentum around the professional development through word of mouth.



Varying pace options

For the following cohorts, we recommended varying pace options to encourage widespread adoption. For example, teachers could participate in the 45 hour program, Developing Sophisticated Learners, over two school years, one school year, or half a school year.



Program for school leaders

To complement this work, our program for school leaders, *Distilling the Science of Learning*, was offered to school-based principals in an opt-in model which historically empowered leaders. The superintendent commented on the participant experience as follows, "It has been incredibly empowering for our educators, and we are excited to note that we have a small cohort of senior management personnel voluntarily participating as well."



I can attest to the high degree of professionalism that is present in each interaction that I have with COGx. They are responsive, respectful of the needs/limits within our division, and continually strive to ensure our experience remains aligned to our outcome for students.

Superintendent



Our Impact



Educators self-reported an increase in mastery for 100% of the program's learning objectives.



I will now provide more opportunities for students to connect their learning to their experiences, and be sure to go back to concepts I previously taught to strengthen their understanding.

Educator



Educators agreed or strongly agreed that the modules provided valuable insights that would support student learning outcomes.



educators agreed or strongly agreed with self-reported mastery of the learning objectives.



educators agreed or strongly agreed that they would recommend the modules to other educators.

Furthermore, teachers shared the following testimonials



*I feel more confidence in how to imbed
executive function and
metacognitive skills into my teaching.*



*This program gave me a 'toolbox' of
different **encoding techniques** to
utilize with students.*



*I am motivated to implement more
engagement strategies, so that
students are more interested in their
learning.*



[Watch video testimonial](#)

Our Programs



Developing Sophisticated Learners...for Educators

This program consists of 12 self-led modules, which are complemented with synchronous group collaboration, assignments, and workshops to support educators. Partners may enroll staff at the discounted rate with a minimum of 25 educators per program.

Short Programs

We also offer shorter programs. These programs are derived from the Developing Sophisticated Learners curriculum. Each consists of 3-4 self-led modules. Partners may enroll staff at the discounted rate into any of the program below with a minimum of 25 educators per program.



Introduction to the Science of Learning



Processing Information: Foundation to Learning



Support Executive Function Skills



Teach for Mastery



Metacognition & Feedback



Teach for Belonging & Wellbeing



Address Cognitive Diversity

In-Person & Virtual PD Workshops: We also offer customized workshops for your community on the topics listed above. Organizations may select the topics of interest, duration, desired date, and format (in-person or virtual).

Our Programs



Becoming a Sophisticated Learner ...for Students

This program teaches students how the brain processes information and what behaviors promote optimal learning. It consists of 6 modules of active and collaborative learning. Each module is broken into 3 chapters which take approximately 20-50 minutes to complete. For a blended implementation, your educators receive a facilitator's guide that includes lesson plans and activities.



Distilling the Science of Learning ...for Leaders

This program equips school leaders with the tools to align instruction with learning science. School leaders gain a high-level understanding of how students learn and a toolbox of methods to support faculty. The program consists of 4 self-led modules which can be completed in approximately 4 hours. School leaders are invited to attend a Mission Mapping workshop and up to 1 hour of personalized consulting. School leaders are prepared to advocate for the Science of Learning in their community.

A partnership with COGx ensures programs are adopted with fidelity, promoting local ownership, scalability, and maximum impact.



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