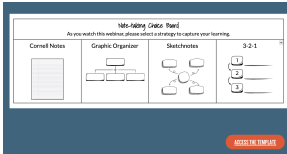
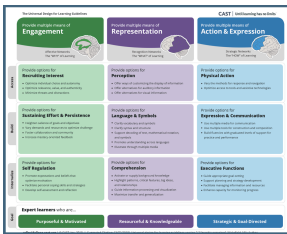
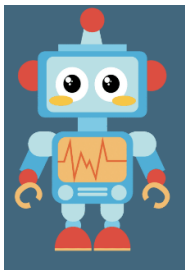
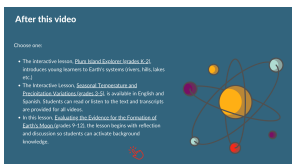




ISB 23-24

UDL Deep Dive

Session	Objectives (What to expect)	Resources
Session 3: Multiple means of action and expression and bringing it all together	Understand how to provide multiple means of action and expression that align with “firm goals.” Recognize the importance of executive function in student mastery Reflect on how the 3 UDL principles work together to create rigorous and flexible learning environments	Access Slides
		 Access template for note-taking choice board Use the 3-2-1 strategy for note-taking.  Access the UDL Guidelines View the video that discusses how the UDL Guidelines are organized (5 min)  Read something • I love this article on ATTitude magazine, which discusses how executive function is necessary for goal-directed behavior. It also embeds a great executive function test for adults.  Listen to something • I used Vocaroo to record myself reading the article above. Use the QR code to get the file on your phone, and you can take a walk and listen (10:00)

		 Watch something • Watch this video, What is Executive Function? From the <i>How to ADHD Series</i> (3:38) • Executive Function, Why Does It Matter? From <i>Edutopia</i> (2:00)
		 • Chat GPT or Co-Pilot by Bing (chatbots) • Magic School • Ludia • Eduaide • Goblin tools - makes checklists • BriskAI is designed specifically for schools and teachers
Session 2: Diving deeply into representation	Explore common strategies for improving perception for students of all ages Make connections between your own vocabulary instruction and research-based best practices Discuss methods for building comprehension to increase student learning in all subject areas	Access slidedeck  After this video Discover: • The interactive lesson, Plum Island Explorer (grades K-2), introduces young learners to Earth's systems (rivers, hills, lakes etc.) • The interactive lesson, Seasonal Temperature and Precipitation Variations (grades 3-5), is available in English and Spanish. Students can read or listen to the text and

		transcripts are provided for all videos. In this lesson, Evaluating the Evidence for the Formation of Earth's Moon (grades 9-12), the lesson begins with reflection and discussion so students can activate background knowledge. Application Activity: 1. After reviewing one of the science lessons, assess its alignment with UDL guidelines for perception, language, and comprehension. Use the interactive UDL Representation Guidelines as a guide. 2. Reflect on a lesson you have taught in the previous month in light of the UDL guidelines for representation. Examine data (such as student performance, participation rates, or student outcomes) to evaluate how well your lesson meets the diverse needs of learners in terms of perception, language, symbols, and comprehension. 3. Based on your reflection and analysis of relevant data, identify what steps you can take to align your lesson more closely with UDL principles. Consider setting measurable goals using data indicators and identify the resources required to achieve these goals.
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Session 1: Engagement, Efficacy and PLCs	Understand the power of teacher collective efficacy Learn how PLTs within a larger PLC help to build collective efficacy when they are used with fidelity Apply UDL principles to your PLT meetings to build collective teacher efficacy, teacher engagement and student engagement	Access Slidedeck for session  Read something - Read an article About PLCs from Solution Tree for concept stabilization.  Listen to something - You can access the audio file at this link (9:21) or the QR code if you prefer to listen.  Watch something - Watch a short video with John Hattie as he shares more about the power of teacher collective efficacy (2:30). Application Activity: Review the Collective Commitments Protocol and complete Step 1.
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UDL Exploration by Content Area

Table of Resources

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| <ul style="list-style-type: none"> • Early Elementary • Elementary • ELA • ELL • World Language • Math | <ul style="list-style-type: none"> • Science • Social studies/history • Fine Arts • PE/Wellness • Special education |
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	Read	Listen	Watch
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Early Elementary	Read about how to leverage technology in universally designed preschool classrooms Use UDL to Enhance Engagement in Early Childhood Classrooms	Listen to a 15-minute podcast where veteran kindergarten discusses how UDL changed her classroom.	Teaching Channel video (note: gated content) 4:30 - 12:00 min.
Elementary	WGBH has designed numerous lessons for the NASA “Bringing the Universe to America’s Classrooms” initiative. Note how this lesson , for science in grades 3-5, on Daily and Seasonal Weather.	Listen to a 3rd and 4th-grade teacher who shares how to get started with student agency in a universally designed classroom (15 minutes).	See UDL in a fifth-grade classroom (10 minutes)
ELA	I wrote an article for Newsela, “Tackling Universal Design Learning to Make Teaching Easier.” Access a pre-writing choice board template.	Rachel Barillari, an 8th grade humanities teacher , shares how UDL shaped her poetry unit, how she was able to engage 100% of her diverse class (15 minutes)	UDL is about firm goals and flexible means. Check out this short video , where Katie Novak explains using an ELA classroom scenario as an example (2 minutes)
ELL	Check out this article: Why UDL Matters for English/Language Learners. Learn 3 strategies for supporting multilingual learners with UDL (also includes embedded 6-minute video).	Listen to TrUDL, a pathway for full inclusion where Dr. María Cioè-Peña discusses the importance of translanguageing and UDL with multilingual learners (40 minutes).	Universal Design for Learning & Digital Tools for Language Learners (23 minutes). This video discusses classroom strategies to leverage Universal Design for Learning to support Language Learners (17 minutes).
World Language	In, Designing Effective World Language Courses , Simone Aguilera suggests eight keys to creating a successful program.	Juan Gallardo – AP Spanish teacher moves from UDL reluctance to UDL love (15 minutes) Going Deeper with UDL Applications to the World Languages Classroom (32 minutes).	Dr. Christopher Hromalik, a college Spanish professor at a Community College in New York presents about UDL in the world languages classroom (45 minutes). He starts at 2:26.

		Getting started with UDL in world languages (41 minutes)	
Science	Our team at Novak Education gave some science lesson plans for a UDL makeover. Check them out.	Applying UDL to a new science curriculum: Christina is seeing wonderful results (15 minutes). Peggy King-Sears, a leader in UDL research, shares the research from the article, "Universal design for learning: Chemistry instruction for students with and without disabilities." (15 minutes).	Watch this PBS Media webinar, Teaching Science through the Lens of Universal Design for Learning (1 hour).
Math	We created before and after lessons for 3 math levels. (includes MS & HS math example!!) This is a great article about academic choice in math: "To engage students, give them meaningful choices in the classroom" Making Math Accessible to All Students from Edutopia. 3 tips for increasing student engagement in math.	High School Career Center math + UDL: When personal reflection leads to learning avenues (15 minutes).	3 Ways to Assess Math Understanding More Deeply discusses assessments in math aligned with the UDL principles (3 min)
Social studies	Learn how the principles of Universal Design for Learning (UDL) are used to support all learners using the U.S. History Collection at PBS Learning Media. Read Universal Design for Learning for Social Studies from Engage America.	In Truth for Teachers, listen to one social studies teacher's lesson planning process (and how she streamlines to stay ahead) and uses UDL (44 minutes). There is a corresponding blog with artifacts from her practice.	Breaking Barriers with Universal Design for Learning and Women's History presented by educators from the Smithsonian American Women's History Museum. They share transferrable techniques, visual literacy activities, and digital resources to create inclusive

			learning experiences for all students (58 minutes).
Fine Arts	This peer-reviewed article on learner variability in music theory classrooms provides great background research on UDL, the theory of variability, and the UDL Guidelines. This is an article from the Harvard Review about the importance of UDL in the Arts. They discuss the “continuing marginalization of arts in education...”	This is an amazing podcast with Art for All author Liz Byron on universally designing an art course (15 minutes). Multiple means of music education (1 hr).	Watch this webinar, Stories from the Field: Visual Arts & UDL (1 hour) (starts at 2:50).
PE/Wellness	Read Laying the Foundation for Universal Design for Learning in Physical Education: An Interactive Infographic. There is a QR to interact on your phone.	Doug Smith, an adapted physical education specialist, discusses his journey with Universal Design for Learning (UDL) and how he applies it in his work (15 minutes).	The video, Universal Design for Learning in Physical Education, features strategies based on the UDL framework and specific to physical education (7:30).
Special education	Read How all Teachers Can Support Students with Disabilities in General Education Classrooms Learn from UDL expert, Zach Smith, in this blog, My Rookie Mistake in Special Education. UDL & Interventions for Emotional & Behavioral Disorders offers an analysis of interventions for students with emotional and behavioral disorders (EBD), for the presence of the three principles of Universal Design for Learning (UDL), and the use of technology.	Betty Lou Rowe discusses how to include students with significant disabilities in the general education setting (15 minutes). Universal Design for Learning (UDL) and Improving Outcomes for Students with Disabilities (25 minutes). Kathy Howery, Ph.D. and her colleagues discuss how teachers use of the UDL framework to include students with moderate to severe disabilities (15 minutes).	All videos by Shelley Moore are amazing. This one is about how to plan for ALL students, participate with students with the most significant support needs (5 minutes). Benefits of UDL for students with learning disabilities (3 minutes).

