



UPDATE FOR GLOBAL SCIENCE OF LEARNING EDUCATION NETWORK IN 2021 AND UPCOMING 2022 ACTIVITIES



During 2021, GSoLEN made significant progress in accelerating ways the world's science of learning researchers, educators, and policymakers can share information and strategies to address common problems. Major activities include:

Building the first stage of a Global Science of Learning “Community Square”

that will provide an international sharing platform and data-grid infrastructure that aggregates the needs of the communities of users to guide large-scale, data-driven innovation aligned to the science of learning. A recent planning grant from the U.S National Science Foundation to a design collaboration of the Center for Applied Cognitive Science at the University of Texas and the Temporal Dynamics Learning Center at the University of California at San Diego, will include GSoLEN participation as a network partner for this infrastructure planning.

Forming global working groups to address major problems

by sharing relevant research, educator experiences, and implementation strategies. The three working groups are seeking your participation. Please consider joining one or more by contacting info@gsolen.org

In 2021, the Teacher Support Network (TSN) meets regularly to discuss issues relevant to the global COVID teaching experience and to determine what lessons and experiences are worth investigating as countries respond to the disruption in their education system caused by the pandemic. The TSN has two key areas of work: 1) issues related to teachers currently in the classroom, and 2) issues related to teacher preparation. While all participants work across both strands, the team is subdivided with individuals and organizations with expertise in pre-service and inservice teacher preparation.

The TSN continues to follow data and information across the world's education systems and recognizes the need to address issues of mental health for students, parents, and educators, learning time loss, and student attendance and engagement. Focusing on relationship-centered practices as a key pillar of

the discussions, the TSN conducted a lively Twitter Chat on the topic, building from the earlier paper posted on GSoLEN's website. Additionally, the TSN held a Facebook Live discussion on the use of time and school schedules. This topic evolved from the deep discussions on scheduling that supports social emotional learning and instructional time loss during COVID. The Facebook video can be found in the [Library of GSoLEN's new website](#).

In early 2022, the TSN will host a series of virtual chat sessions with leaders of various teacher preparation programs. These sessions are designed to open frank dialogue regarding teacher-student diversity and will help to address how teachers across the world are being prepared to teach students from starkly different backgrounds with high levels of success.

The **Digital Learning Working Group** kicked off its work with a three-part video conference series on the possibilities of digital learning in a post pandemic world, which can also be found in GSoLEN's library. The series was followed by calls for participants for the working group and to date, there are eight people representing Canada, Hong Kong, India, Jamaica, Mexico, the UK, and the US. A follow up webinar on digital learning curriculum was held in November to demonstrate effective use of technology and media in advancing curriculum across diverse geographic and socio-economic populations in India

The **Knowledge Brokering Working Group** seeks to bridge the communication gaps between the researcher and the educator and create the conditions for wide-scale implementation. Recognizing that many are already performing this important work, this working group will define the skills necessary for expanding the cadre of facilitators who bring together generators and implementers of knowledge about learning and teaching.

Launching a new website to improve global knowledge sharing.

Visit the new website at <https://gsolen.ucsd.edu>. Please make suggestions for how it can serve the international community. Future improvements will include translation into different languages and areas for working groups to share information.

Looking forward, 2022 will see education and policy leaders making major decisions about how to restructure their education systems. The magnitude is well-illustrated in [The State of the Global Education Crisis: A Path to Recovery](#), published in December by UNESCO, UNICEF, and the World Bank.

At this critical time of shared crisis, will the science of learning be infused in education decisions so all learners across the globe truly benefit?

With current and potential resources, GSoLEN will focus on:

- Building the infrastructure for rapid sharing of information, translation, and strategies for implementation of the science of learning,
- Supporting like-minded organizations to promote their work and expand global impact,
- Expanding working groups and other means to enable far flung experts to work together in common purpose, and
- Building the capacity to communicate in numerous languages.

We look forward to supporting your important work that will improve learning for all students.



Photo by Husniati Salma