Adapting 21st Century Skills into the Virtual High School Classroom
The Illinois Science & Technology Institute (ISTI) is a STEM-focused non-profit that connects companies and universities with classrooms.
Our growth is reliant on partnerships with new high schools, corporates, community colleges, universities, and non-profits.

Create deeper, more inclusive talent pipeline in key sectors in Illinois.

Build interest and pathways to STEM careers.

Your students are the future.
The Problem
Mentorship Matters

73% of our students have never worked with a mentor or professional member of industry.

86% of our students reported learning about at least one new STEM job.
Experience Matters

90% of our students reported having increased confidence in their STEM skills

Communication, problem solving, collaboration
The STEM Challenge Program

Problem-Based Partnerships
2019-20
Company
Partners
As neighbors and partners, the AbbVie Foundation would like you to design and recommend an innovation or process that will improve the lives of patients with cancer. It is important that you focus on the patient!

**Participating Schools**
North Chicago Community High Schools / Career Pathways
Student Solutions

ITW David Speer Academy

Students *designed and built a board game* to help strengthen synapses in the human brain to help treat patients with Alzheimer’s.

ABBVIE CHALLENGE

North Chicago Community High School

Students *created a social media app* called ‘Elpida Life’ for patients with cancer that allows them to connect with fellow patients who may be going through similar challenges. *Elpida* means hope in Greek.
Mentor Matching Engine

The Mentor Matching Engine (MME) is a project-based, online collaboration platform that links students with mentors anytime, anywhere in a safe and secure environment.

Go beyond the classroom with MME.
Student safety and security is our #1 priority!

- Mentor background checks
- All communication through MME!
- Teacher Oversight
Mentor
Affiliations
Include...
Project learning, redesigned

- Resistance, Reimagined: Student of Color Affinity Organizations and Everyday Resistance Practices at Selective Enrollment CPS High Schools - Sunny Eimer - Jones College Prep

- Classical Music to Improve Spatial Reasoning - Thomas Harb - Disney II Magnet High School

- 2020meds: A Value-Based Prescription Drug Pricing Negotiation Platform Joseph Pham, a student at Glenbard North High School
Teacher Training

High Dosage Communication

SUMMER

OCTOBER

NOVEMBER

DECEMBER

JANUARY

FEBRUARY

MARCH

APRIL

Student Showcase
Virtual Adaptation

Dosage
Creating routines for communication is essential.

Engagement
Validation/feedback through sustained relationships

Gain In-Demand Skills
Problem-solving, critical thinking, communications, collaboration/teamwork & research

Demystify the future
New perspectives and lines of site into careers and pathways in professional and academic fields
Real Problems, Real Learning
Contact us!
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