

Supporting the Supply of Human Capital by Broadening Participation in STEM Education & Work

Kirsten Ellenbogen, Great Lakes Science Center

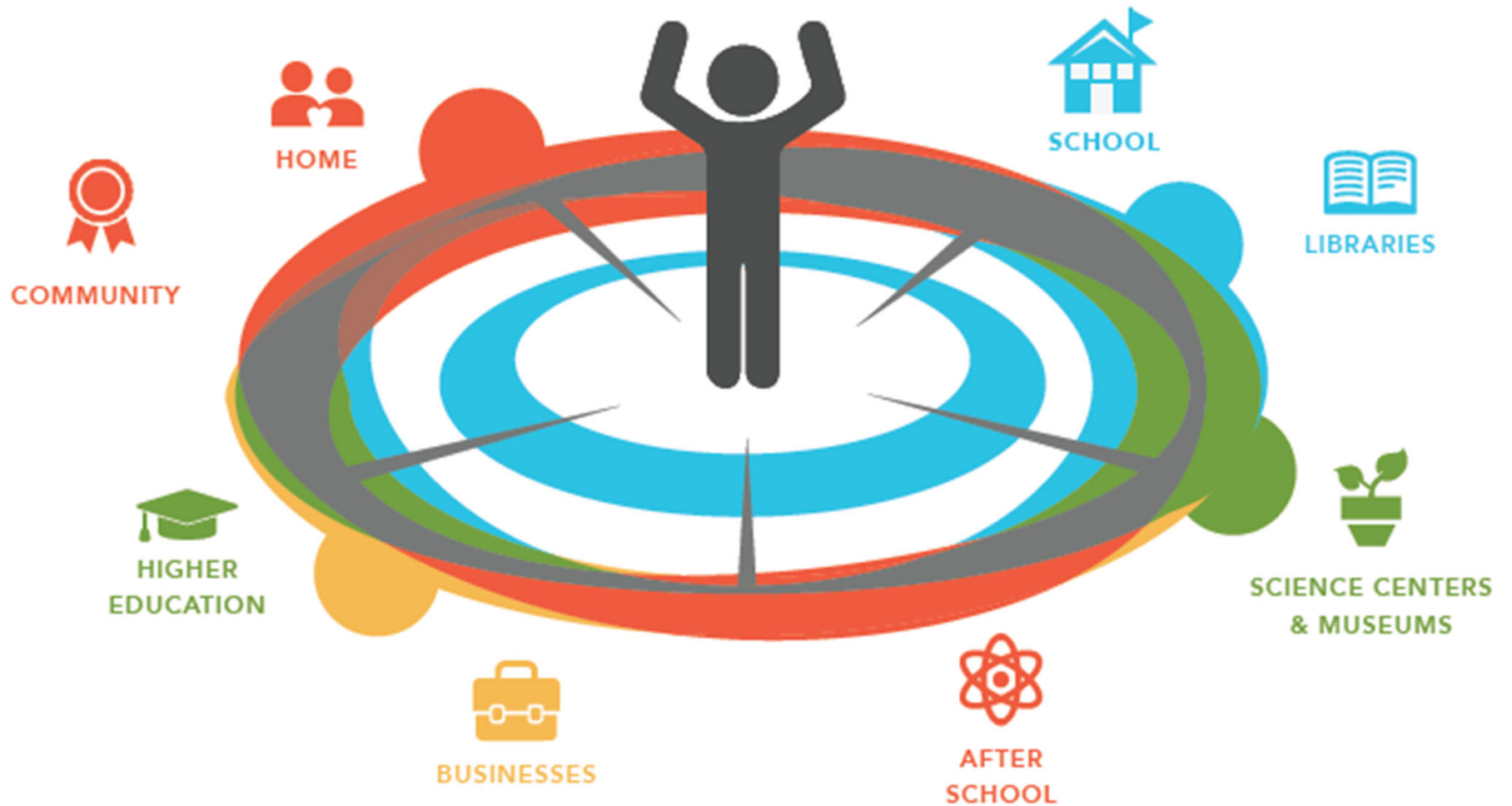
@kellenbogen



Photo: AerialAgentsCLE

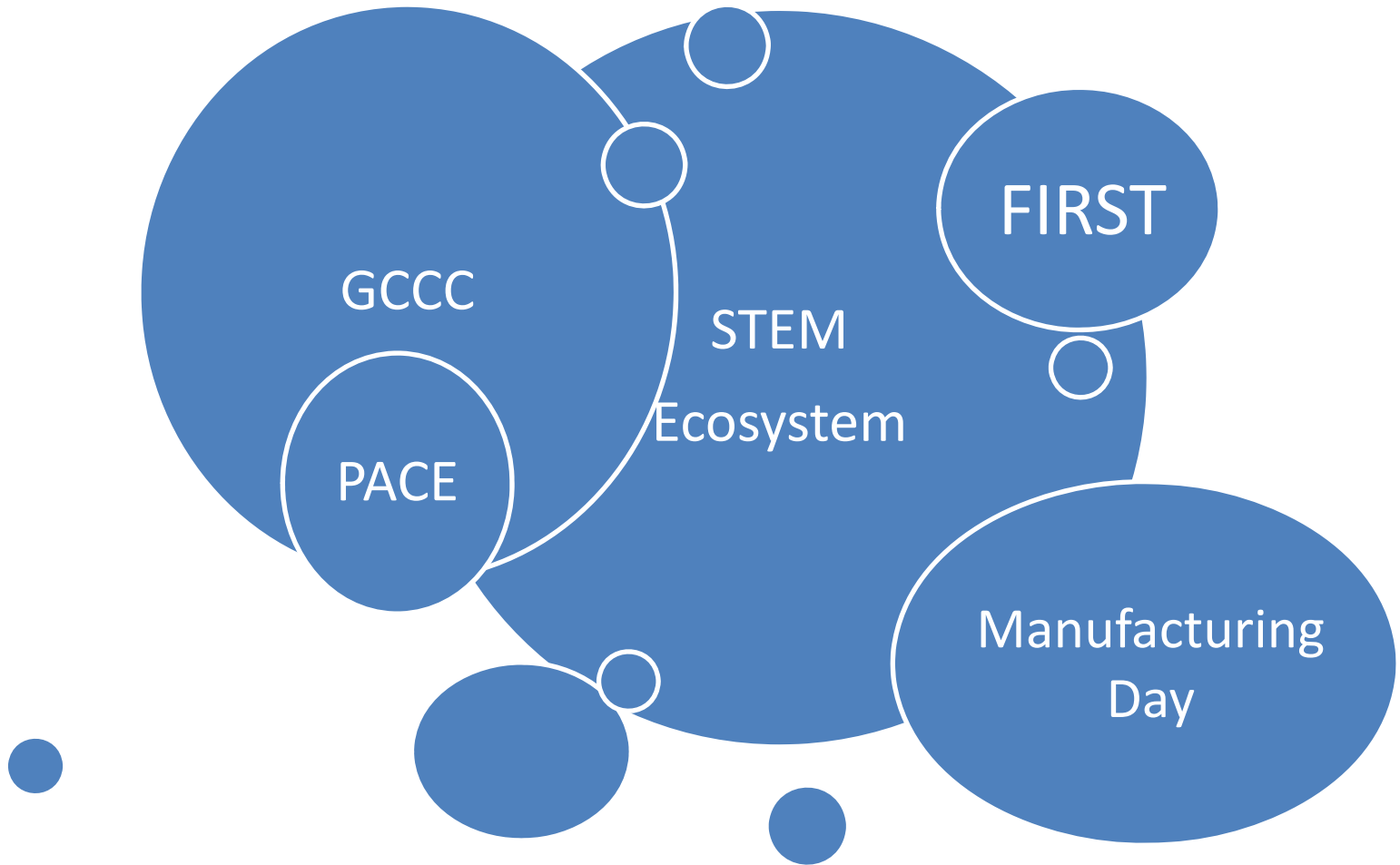
Broadening Supply of Human Capital in NEO

- Ecosystem Provides Alignment & Roles
- Interest and Identity
- Starting Earlier
- Children *and* Influential Adults
- Authentic Tasks



www.stemecosystems.org

Aligning Imperfectly





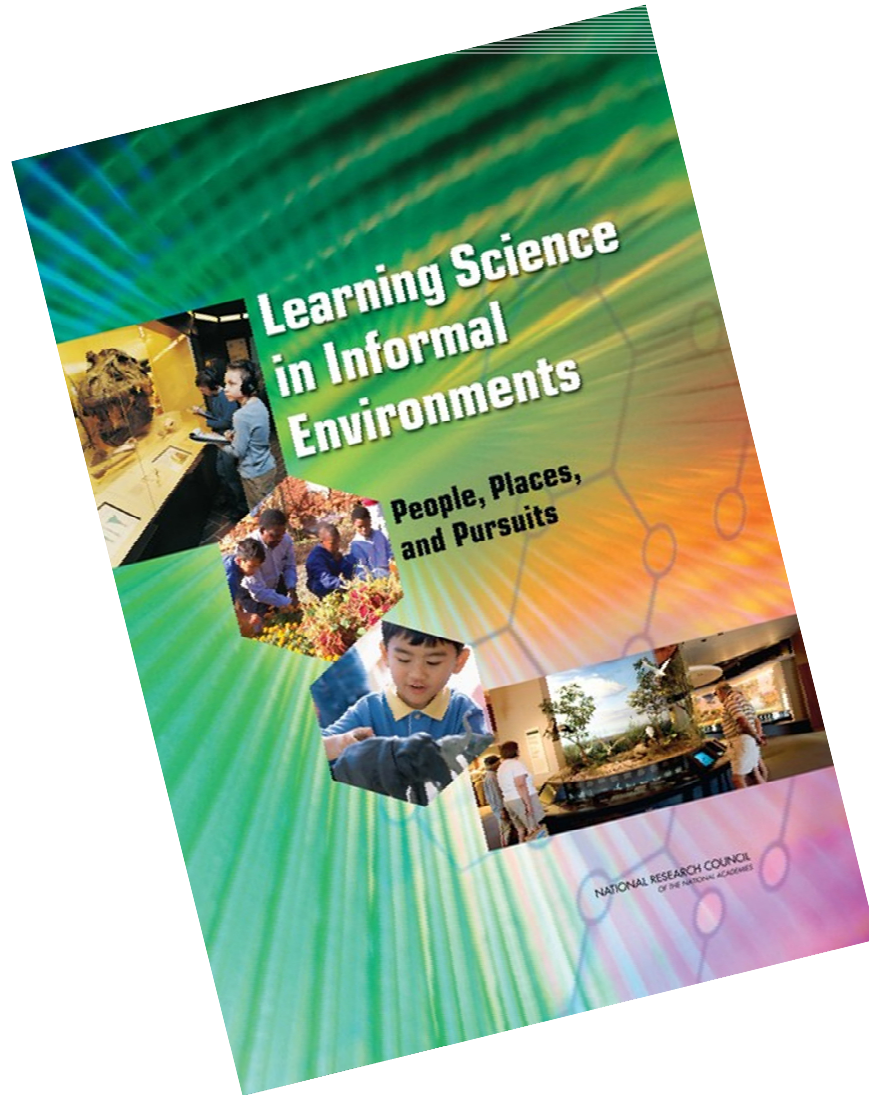
GLSC MANUFACTURING DAY 2022



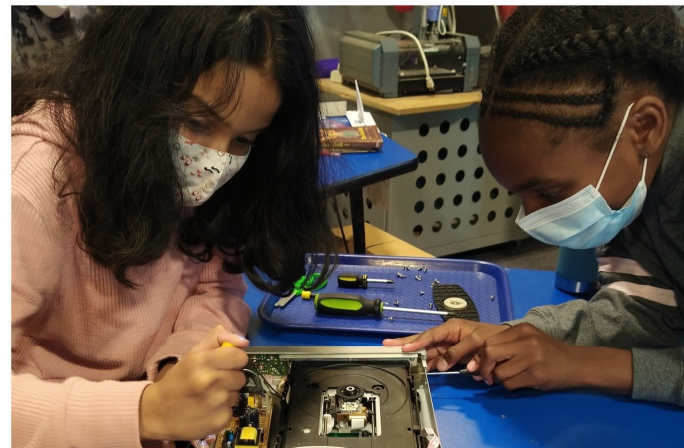
GLSC's IIOT & Blockchain Program for Cleveland 8th Graders



Strengths of Informal Environments



- ✓ Identity
- ✓ Interest



Coaches, Ministers, Athletes



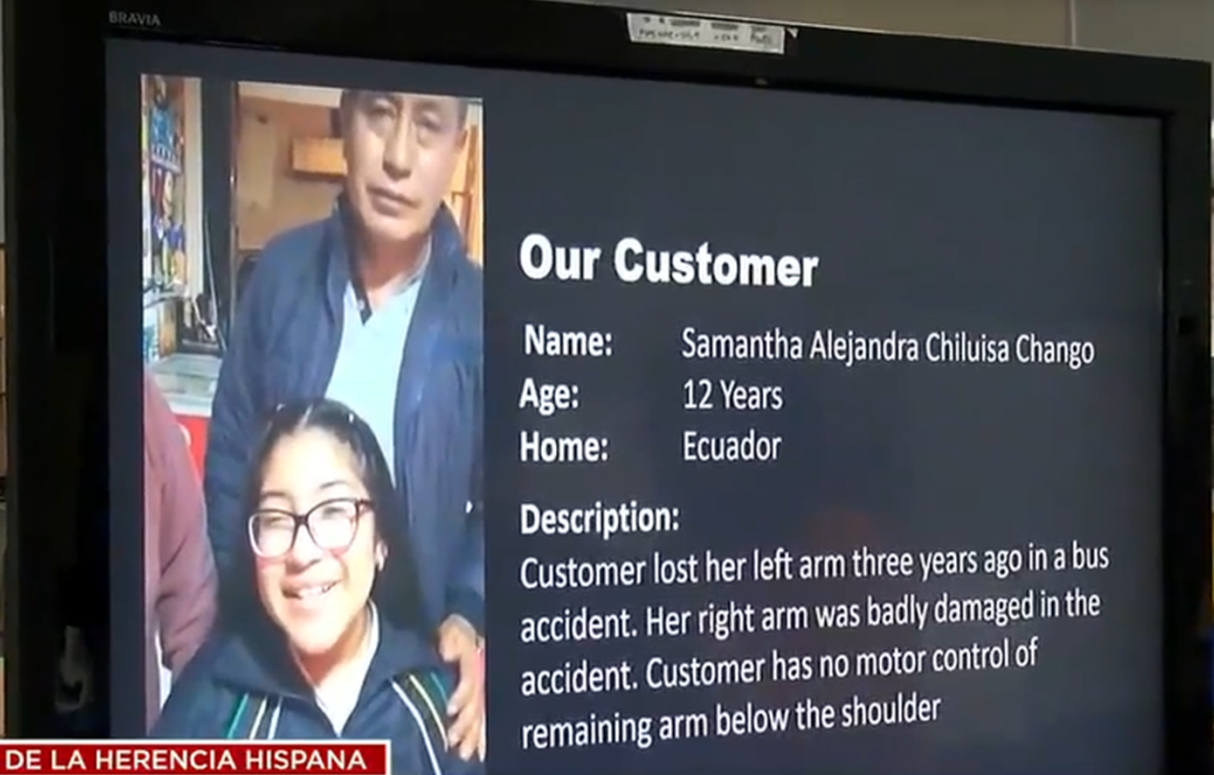
Authentic Tasks



Summer Project - FIRST at GLSC



Matched through IMA Helps



Our Customer

Name: Samantha Alejandra Chiluisa Chango
Age: 12 Years
Home: Ecuador

Description:
Customer lost her left arm three years ago in a bus accident. Her right arm was badly damaged in the accident. Customer has no motor control of remaining arm below the shoulder

6:10 70° MES DE LA HERENCIA HISPANA

NOTICIAS Para Ti

ESTUDIANTES FABRICAN BRAZO PROSTÉTICO PARA NIÑA DE ECUADOR
GREAT LAKES SCIENCE CENTER, CLEVELAND

NOTICIAS Y EL TIEMPO 24/7 VISITA TELEMUNDOCLEVELAND.COM

