



STEAM WEEK

3P Student Poster Session and VIP Event

FEBRUARY 26, 2025



PROGRAM

8:00 - 8:30 AM - REGISTRATION

8:30 - 8:50 AM - LIGHT BREAKFAST

8:50 - 9:00 AM - OPENING REMARKS

9:00 - 9:45 - KEYNOTE SPEAKERS

Melissa Cischke - Project Manager, Technology & Data Services, WISD
Rockey Black - Owner, Black-Smith Enterprises

9:50 - 11:45 AM - STUDENT POSTER SESSIONS

See backside of this program for descriptions of
each student poster/demonstration

11:45 - 12:30 - LUNCH/ STUDENT
CONNECTION TIME



STEAM WEEK VIP Student Poster Session

SESSION # 1

The Reach-Ease -EMUINVENT

The Reach-Ease is an innovative grabber tool that can pick up even the slipperiest of objects...

SESSION # 2

Comfort Covering - EMUINVENT

Small shelter for people who are homeless or have had to flee their homes due to natural disasters...

SESSION # 3

Smart Cat Feeder with Image Recognition - EMUINVENT

This automated pet feeder uses advanced image recognition technology to identify when a cat is near and dispense food accordingly...

SESSION # 4

Art and design of Zaha Hadid

Integrating a narrative nonfiction unit about the life of architect Zaha Hadid.

SESSION # 5

Collaborating to Fight Climate Change and Help Our Planet

Diving into the differences between weather and climate!

SESSION # 6

Arbor Day in Dexter

Reacting to a challenge by the city of Dexter to help with their annual Arbor Day tree giveaway.

SESSION # 7

Indigenous Ways of Knowing in the Classroom

We explored two of the sacred foods of the Ojibwe people—wild rice (manoomin), and maple sugar—through an immersive, technology-enhanced learning experience.

SESSION # 8

Entrepreneurial STEM

We use our experiences from STEAM K-7 to launch a business. We will be sharing several of our entrepreneurial efforts today.

SESSION # 9

Grizzly Robotics = STEM + Arts

Grizzly Robotics Team 66 models what skills they learned through FIRST Robotics Competition and how the arts play a role at events and while promoting STEM in their community.

SESSION # 10

Grizzly Robotics = STEM + Manufacturing

Learn how to weld on the virtual simulator from Ypsilanti Community High School's manufacturing CTE program...

SESSION # 11

Growth through Robots

We will show the progression of beginner robotics with Legos to the advancement of using Tetrax and taking our knowledge to the competitive team.

SESSION # 12

Chelsea FIRST Robotics Impact

Overview of the FIRST Robotics program and the work that Chelsea Robotics is doing to increase the sustainability of teams locally and internationally.

SESSION # 13

Waldron Chief Science Officer (CSO) Program

We decided as, part of our CSO project, to fundraise and plan a trip to a science museum for Waldron elementary students.

SESSION # 14

Subsistence Modeling Through Counter-Immuno-electrophoresis:

A Study of the Belson Clovis Site Stone Tools using Counter Immuno-electrophoresis (CIEP) analysis...

SESSION # 15

Using Computer Modeling Techniques

Describing the fundamentals of the computational methods and the chemical properties of redox flow batteries...

SESSION # 16

What NCAS Can do for You

An introduction to the NASA community college program & what benefits it offers.

SESSION # 17

What's WCC Engineering Club Up To?

Currently, we are working microcontrollers and IC chips to make everyday electronics...

SESSION # 18

Water Filtration Project

There is a pressing need for an affordable, portable, and easy-to-use device that can effectively purify water from various sources, ensuring it meets safe drinking standards...

SESSION # 19

Little Home Big Impact

Our project aims to address many housing issues by providing cost efficient and cost effective housing for those without it...

SESSION # 20

First Lego Robotics

We will be sharing about how to program a robot, and will demo our robot. We will also share what we learned about overfishing and illegal fishing.

SESSION # 21

Recycling Initiative

Establish a recycling club that aligns with the needs and goals of the school community to foster a respectful and caring attitude concerning the stewardship of the school and its resources

SESSION # 22

Peer Tutoring

Developing a school culture that allows students to receive support, encouragement, and assistance from peers in their quest for academic excellence.

SESSION # 23

Community Food Garden

Creating a community garden where fresh food will be readily available to combat the food desert.