

NOVEMBER 2021



DOW TREASURE ACADEMY

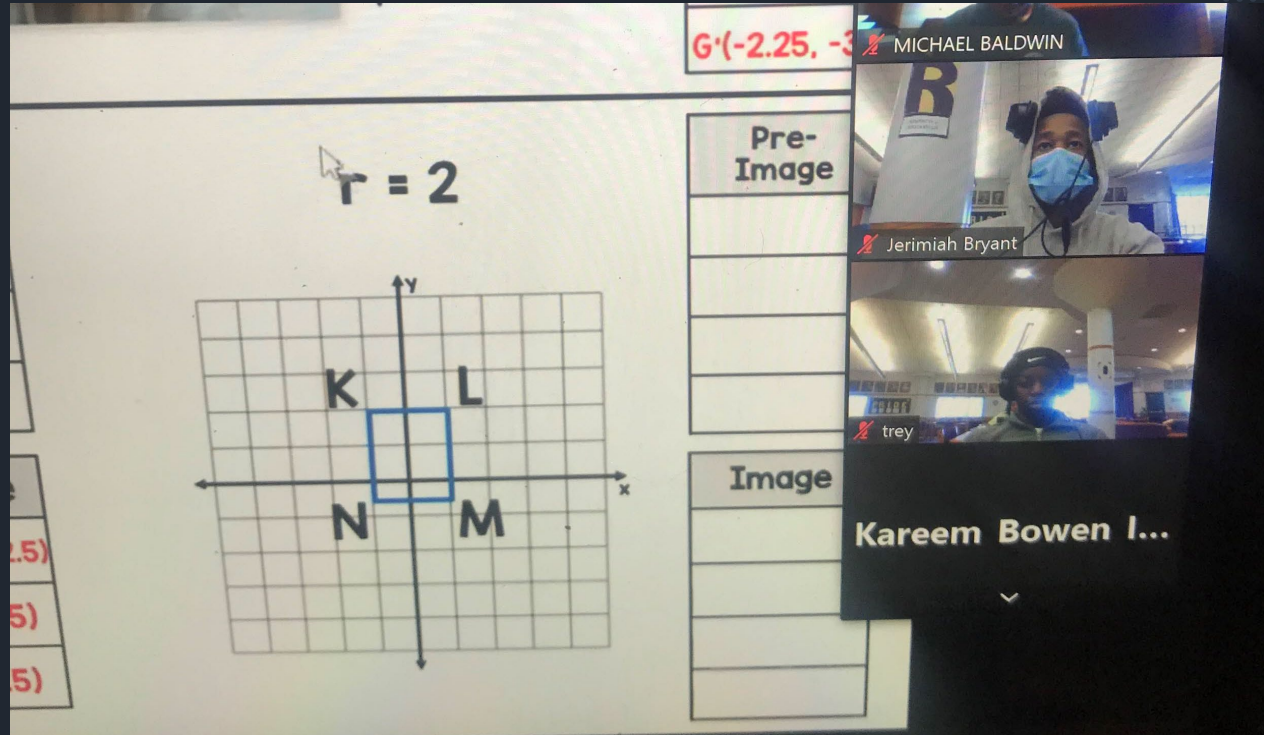
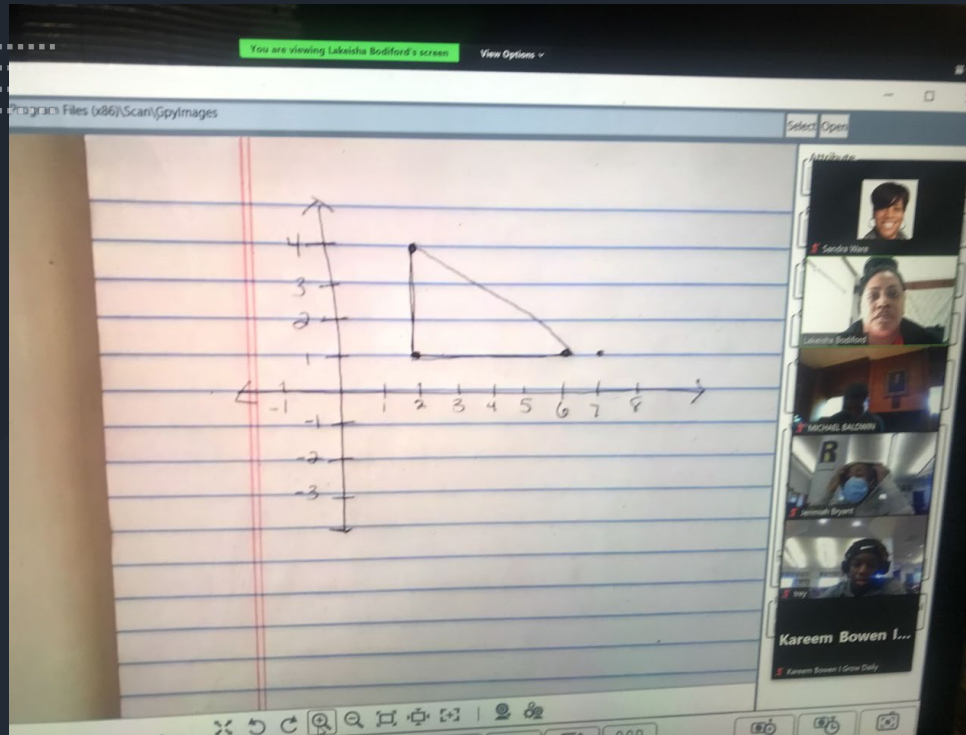
Discovering Hidden Treasures through STEM & Leadership



A group of diverse students wearing face masks are seated at white tables in a classroom or meeting room. They are engaged in conversation. In the foreground, a student in a green shirt and a student in a light blue hoodie with an orange 'NIKELODEON' logo are visible. The background shows other students and a wall with geometric patterns in blue, green, and white.

DTA KICKOFF –OCTOBER 30, 2021

The Dow Treasure Academy (DTA) kicked off with program informational session and mentor meeting on Saturday, October 30, 2021. The event kicked off with opening remarks from DTA Executive Director, Kareem Bowen. Program expectations were also communicated during the program. The Dow mentors were given the opportunity to introduce themselves and talk about their careers. In addition, the mentors connected with each student through a speed mentoring segment. At the closing of the event, each mentor spoke positive affirmations and words of wisdom to the group of students.

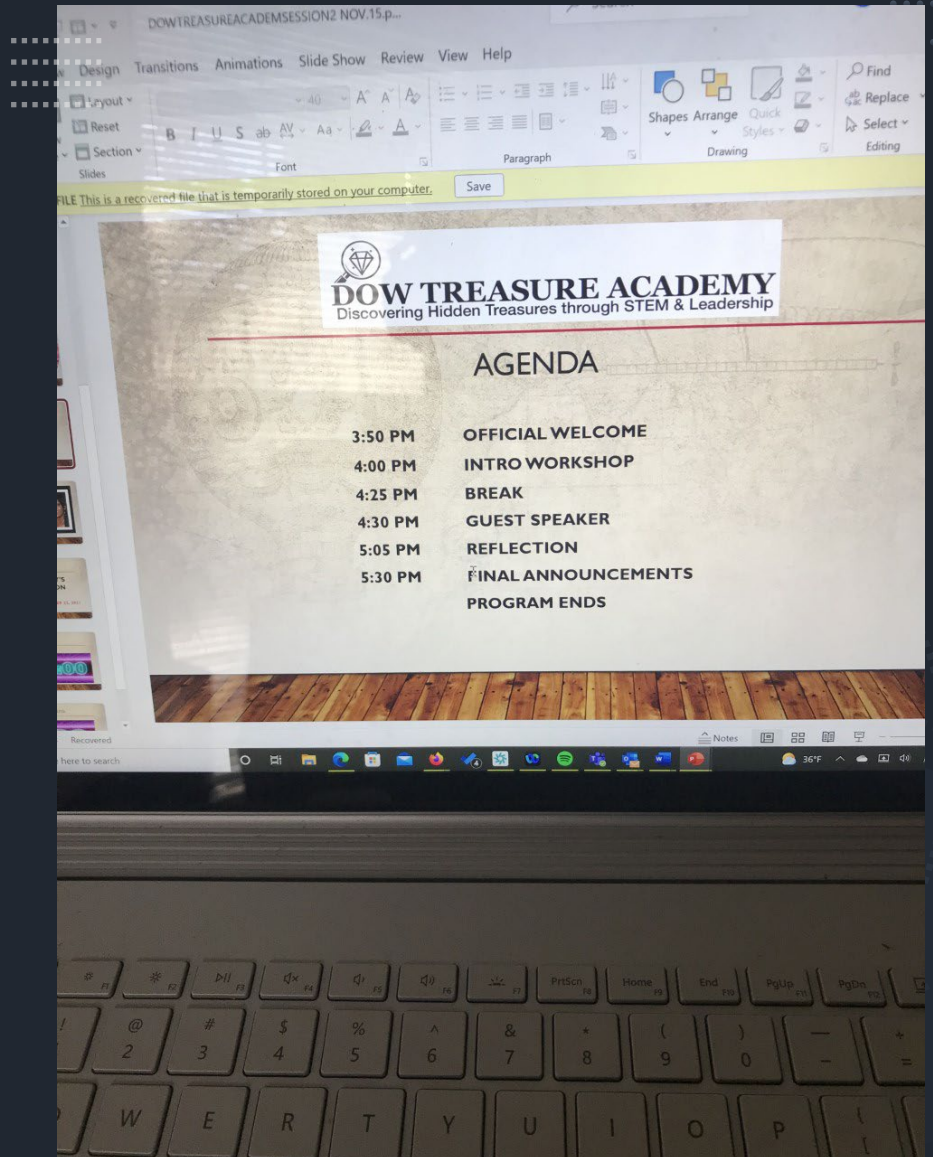


Virtual In-school Sessions

A DTA parent requested resources for her daughter in the area of math support. As high school freshman, our student participants are working on algebra and geometry. On the first day of the virtual in-school session, Lakeisha Bodiford math tutor and instructor with Delta College provided coaching on dimensions. During the month of November she facilitated three (3) sessions. In an effort to provide students with ongoing assistance math coaching sessions will be provided monthly.

Virtual Afterschool Sessions

During the virtual afterschool sessions, students cover the A.R.R.O.W.s To Success (Acquire Resources to Reach Objectives & Win) training Module. The curriculum includes pre-assessments, assessments and exercises covering Self-Awareness, Strength and Weaknesses, Core Values, Boundaries and more. In addition to the module work, guest speakers are featured. To date, the following guest speakers have shared their career journeys with the DTA students: Dr. Alveda Williams, Corporate Director of Inclusion and Senior HR Director of Talent Acquisition, Dow; Nate McCrary, Running Back, Baltimore Ravens and Tiffany Ellzy, Senior Marketing Lead, Sean John.



GUEST SPEAKER'S

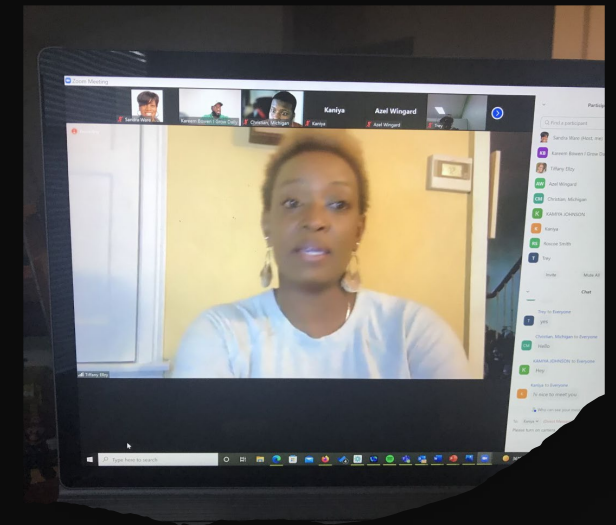
DR. ALVEDA WILLIAMS, Corporate
Director of Inclusion and Senior HR
Director of Talent Acquisition, Dow



NATE MCCRARY, Running Back,
Baltimore Ravens (NFL)



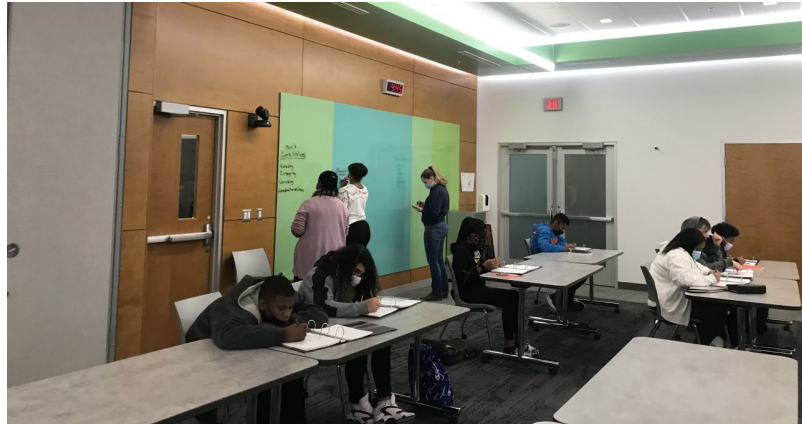
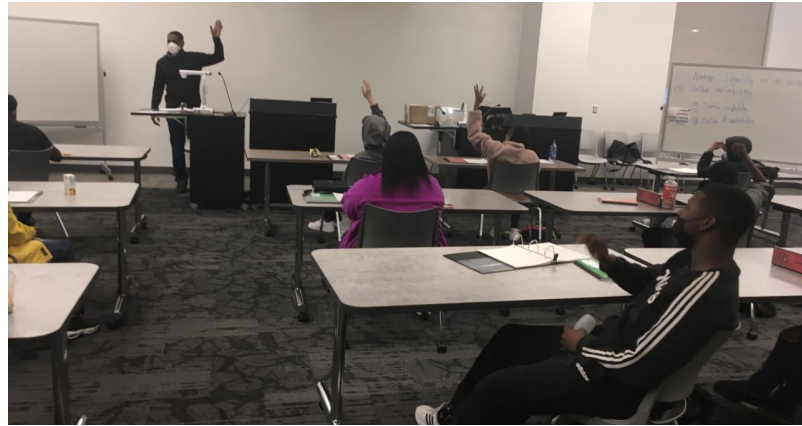
TIFFANY ELLZY, Senior Marketing
Lead, Sean John



In-person Sessions at Delta College

The weekly in-person sessions held on Wednesdays at Delta College Downtown Campus, give students the opportunity to directly work and pair with Dow mentors. In addition, the students recap the lessons covered during Monday virtual workshops. The Dow mentors also lead interactive sessions centered around: Core Values, Self-Awareness, and Finish What You Start.

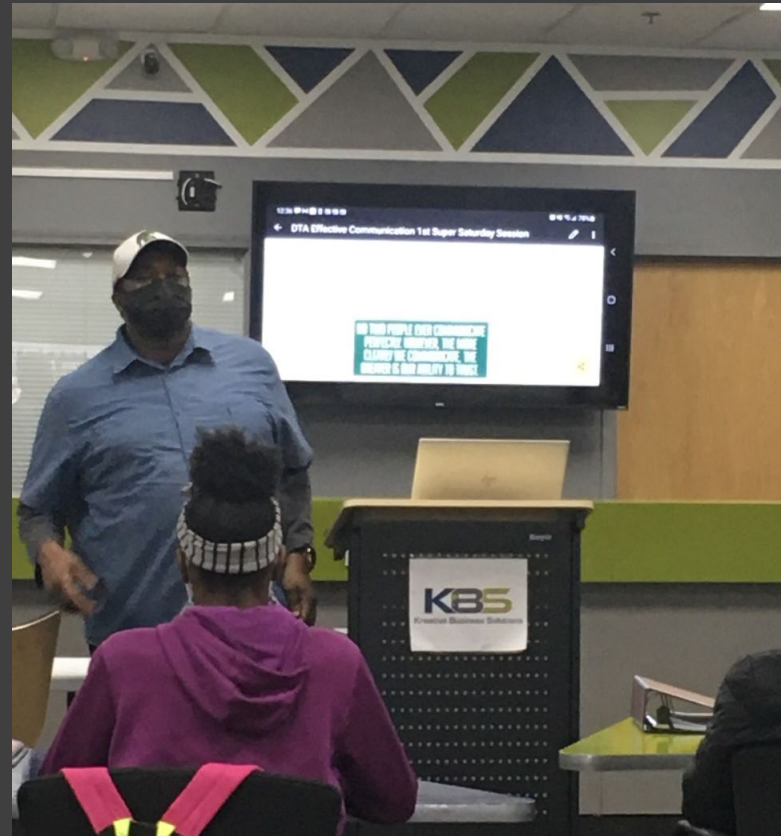




STEM SATURDAY-- MENTORS LEAD SESSION ON SELF AWARENESS

CORE VALUES WITH DOW MENTORS

Mentor Hour



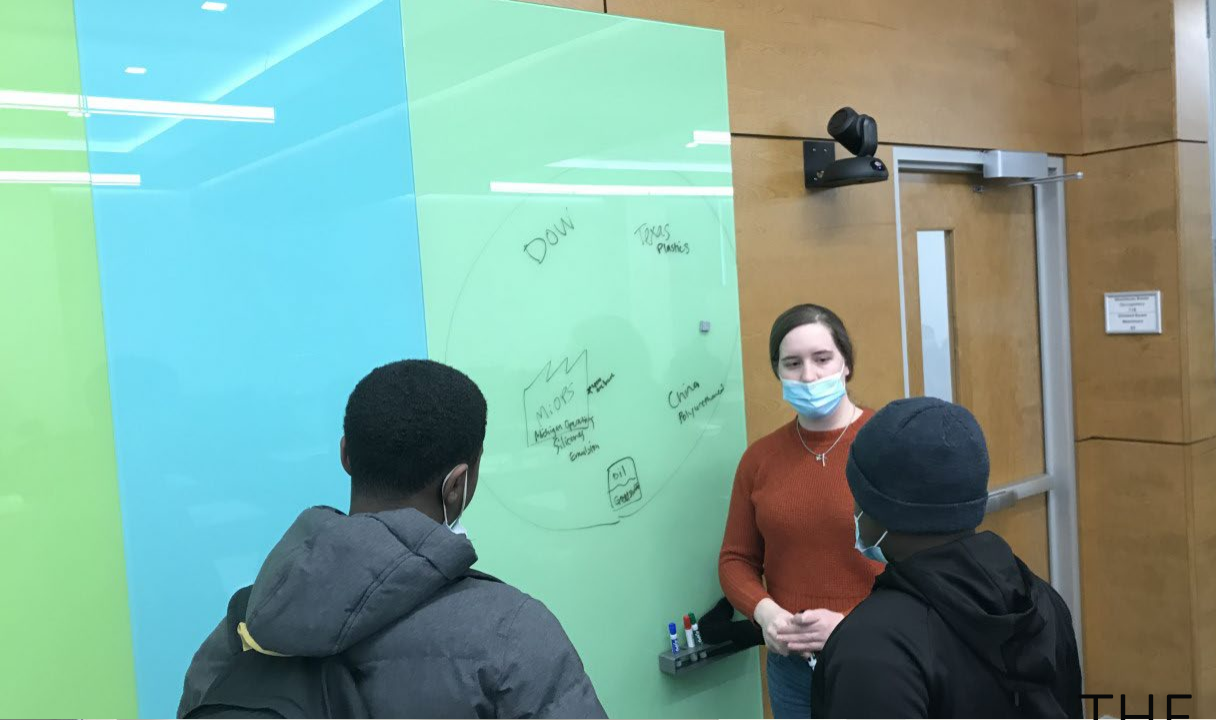
SUPER STEM AND LEADERSHIP SATURDAY

NOVEMBER 20, 2021

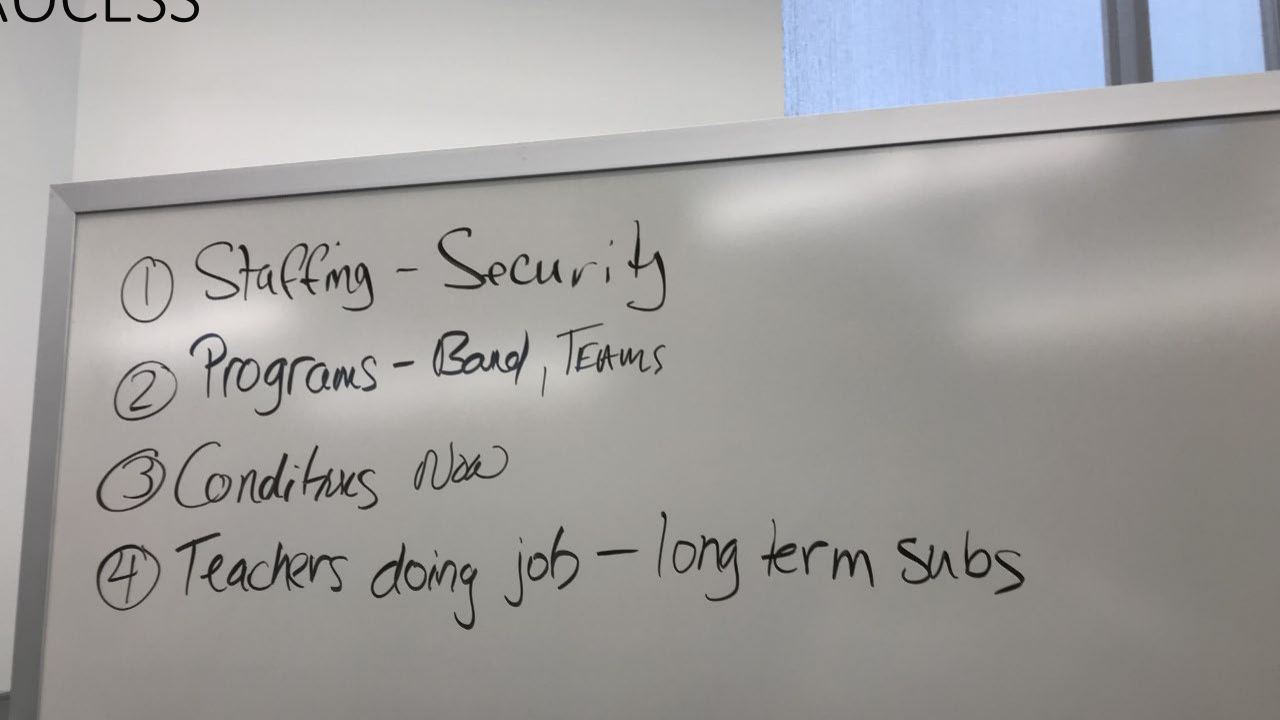
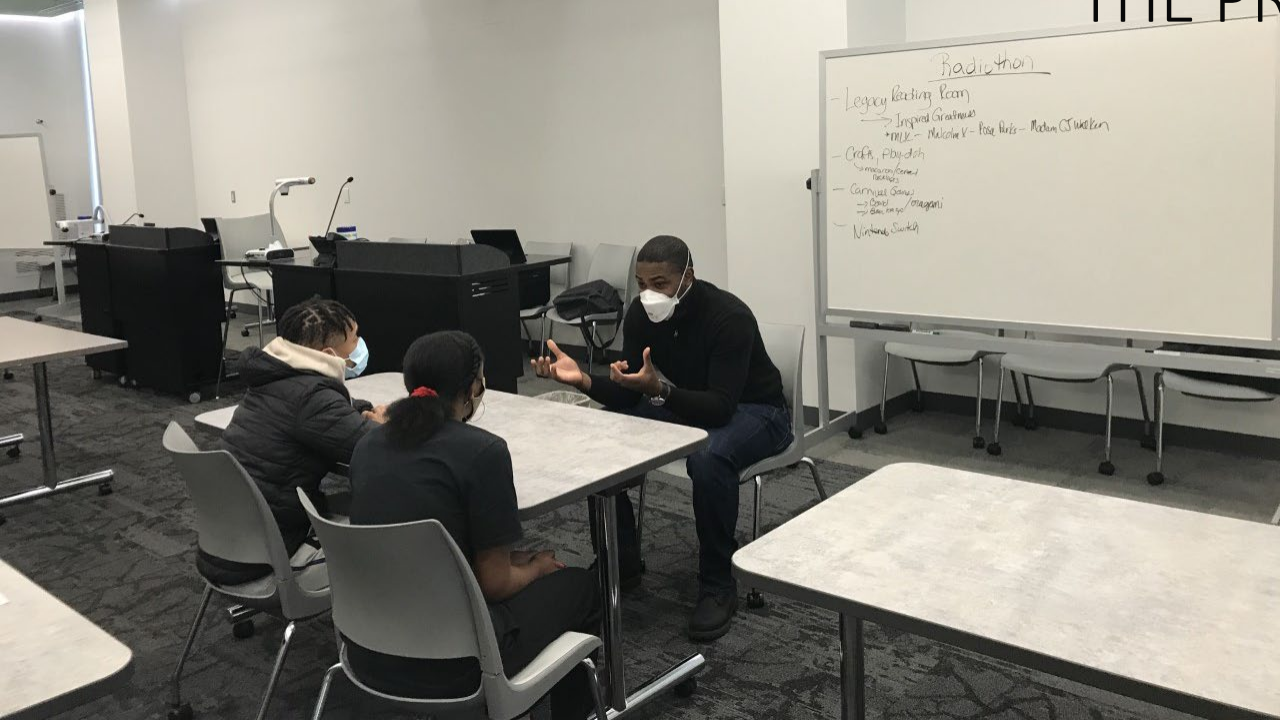
LESSONS IN LEADERSHIP

Dow mentor, Frank Sanders led a powerful presentation centered around the Laws of Leadership and how students can build upon their leadership skills and understand their influence as high schoolers.





THE PROCESS



- ① Staffing - Security
- ② Programs - Band, TEAMS
- ③ Conditions New
- ④ Teachers doing job - long term subs

DTA Students Lead Discussion with SPSD Superintendent, Dr. Ramont Roberts

DTA students invited Saginaw Public School District Superintendent, Dr. Ramont Roberts to share his plan for the new high school scheduled to open in 2024.

DTA STUDENTS @ FIRST WARD COMMUNITY CENTER



Using the Sofana platform, students were able to set up their online secure hot wallets to begin their marketplace entrance.

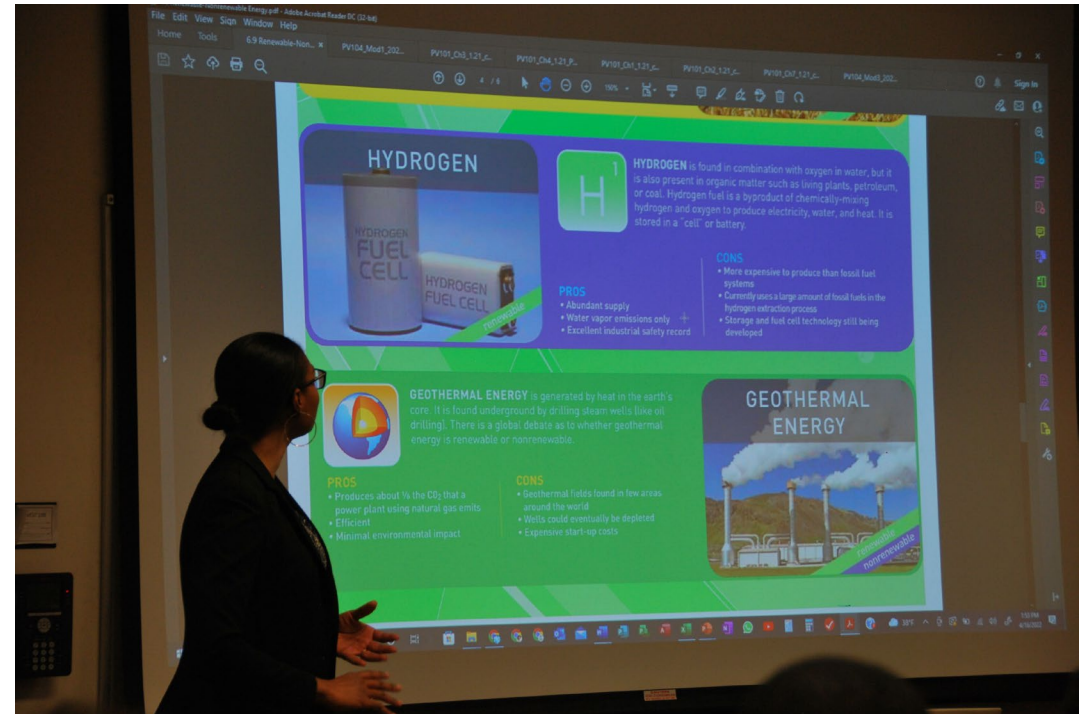
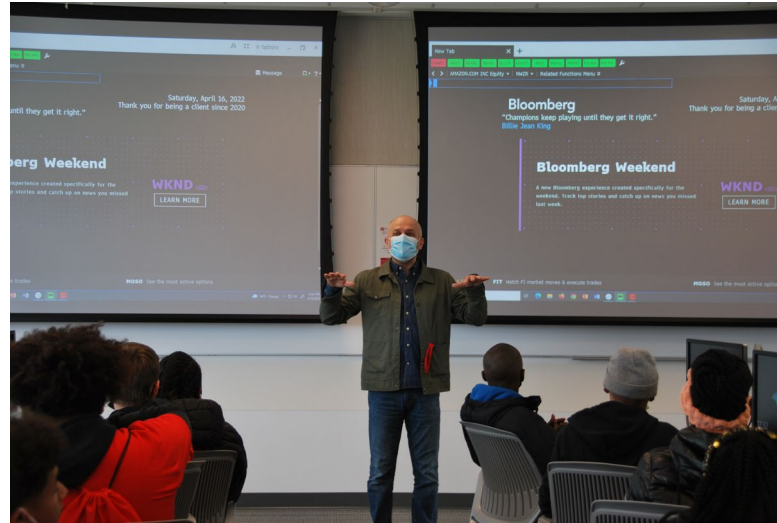


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DTA SUPER STEM SATURDAY

APRIL 16TH 9:30AM-3:30PM
SAGINAW VALLEY STATE UNIVERSITY



HYDROGEN

HYDROGEN is found in combination with oxygen in water, but it is also present in organic matter such as living plants, petroleum, or coal. Hydrogen fuel is a byproduct of chemically-mixing hydrogen and oxygen to produce electricity, water, and heat. It is stored in a "cell" or battery.

PROS

- Abundant supply
- Water vapor emissions only
- Excellent industrial safety record

CONS

- More expensive to produce than fossil fuel systems
- Currently uses a large amount of fossil fuels in the hydrogen extraction process
- Storage and fuel cell technology still being developed

HYDROGEN FUEL CELL

GEOTHERMAL ENERGY

GEOTHERMAL ENERGY is generated by heat in the earth's core. It is found underground by drilling steam wells like oil drilling. There is a global debate as to whether geothermal energy is renewable or nonrenewable.

PROS

- Produces about 1/4 the CO₂ that a power plant using natural gas emits
- Efficient
- Minimal environmental impact

CONS

- Geothermal fields found in few areas around the world
- Wells could eventually be depleted
- Expensive start-up costs

GEOTHERMAL ENERGY