



## BOARD OF EDUCATION MEETING

October 12, 2022



Tonight's meeting is being streamed live via videoconferencing on Microsoft Teams and is video recorded. The Board President declares that an in-person meeting is not practical or prudent because of the current Disaster Proclamation issued by the Governor. Physical presence for the entire Board of Education and community is not feasible due to the disaster.



## PLEDGE OF ALLEGIANCE



#### COMMITTEE OF THE WHOLE

Report from Curriculum Committee Report from Finance Committee Report from Policy Committee Report from Discipline Committee Report from Facilities Committee

#### CONSENT AGENDA

- Approval of Minutes: Regular Meeting and Executive Session Minutes dated September 14, 2022
- Approval of District 205 Bills: Dated September 15, 2022 through October 12, 2022
- Personnel: Approval of Resignations, Leave of Absence, New Hires & Terminations dated October 12, 2022

#### PUBLIC PARTICIPATION

We now open the Public Participation section of our agenda. At this time, members of the community are invited to address the Board. We ask that you state your name and town, limit your total time to two minutes, and talk only about items on the current Board Agenda.

In addition, if your comments are of a critical nature about specific people, the Board requests that you present your comments during the personnel portion of the "executive session."

The Board will accept comments via email statements to be read at the meeting. Public comments were emailed to hill.laura@district205.net.





#### COMMUNICATIONS

ONLINE REGISTRATION

# PR Report 2022-2023 Online School Registration

An summary of the strategic communication plan for online school registration





#### Our purpose...

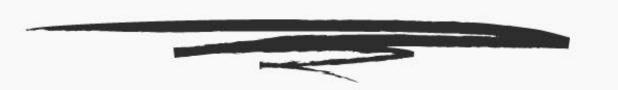
# Over-communicate and emphasize online registration





#### Strategic Elements (released: April 18 - July 30, 2022)

- New Registration Webpage
- New Registration Video
- Series of Graphics (English/Spanish)
- Your Schools Special Edition
- Postcards
- Letter to Parents (English/Spanish)
- Social Media Posts (English/Spanish)
- Robo Calls
- Emails
- Text Messages



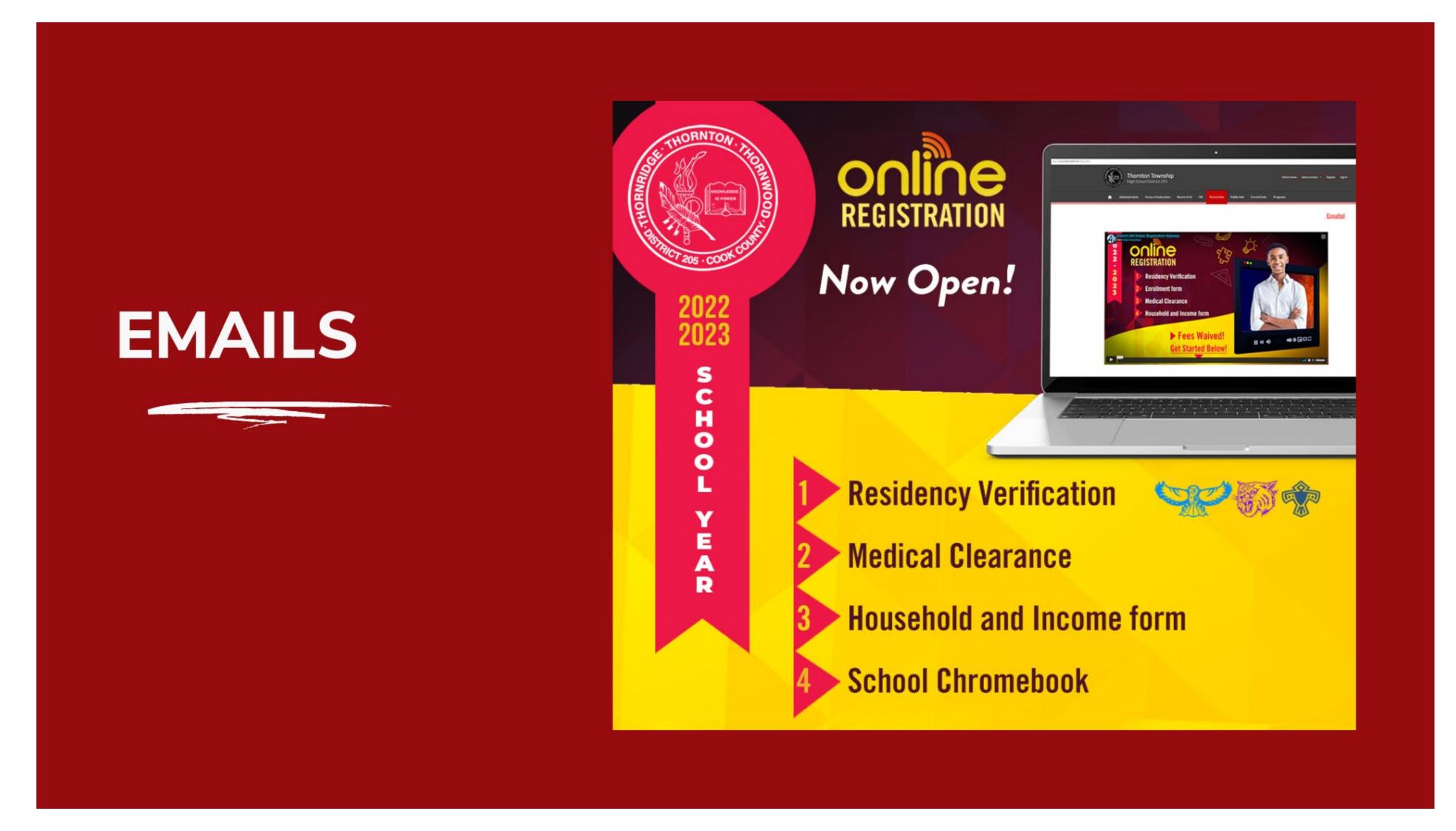
















#### Special Edition



Released in June 2022



Featured articles on medical clearance, online registration process, and transportation.





# EMPHASIS ON MEDICAL CLEARANCE



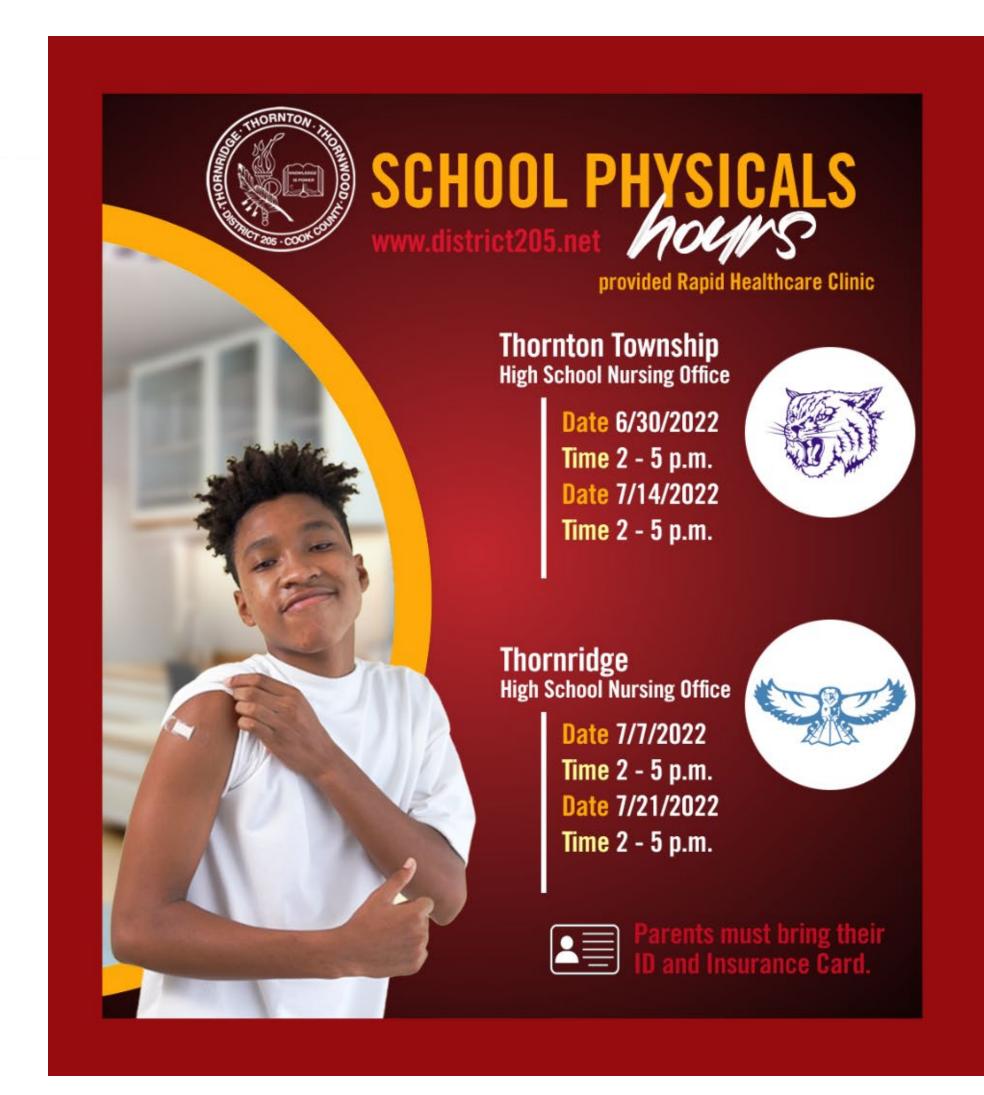


# EXCLUSIVE TO INCOMING FRESHMEN

For the convenience of parents, District 205 offered school physicals at Thornton, Thornridge, and Thornwood for incoming freshmen.

Sports physicals were also available for students.





#### School Physicals



Additional opportunities for school physicals were promoted in June 2022.

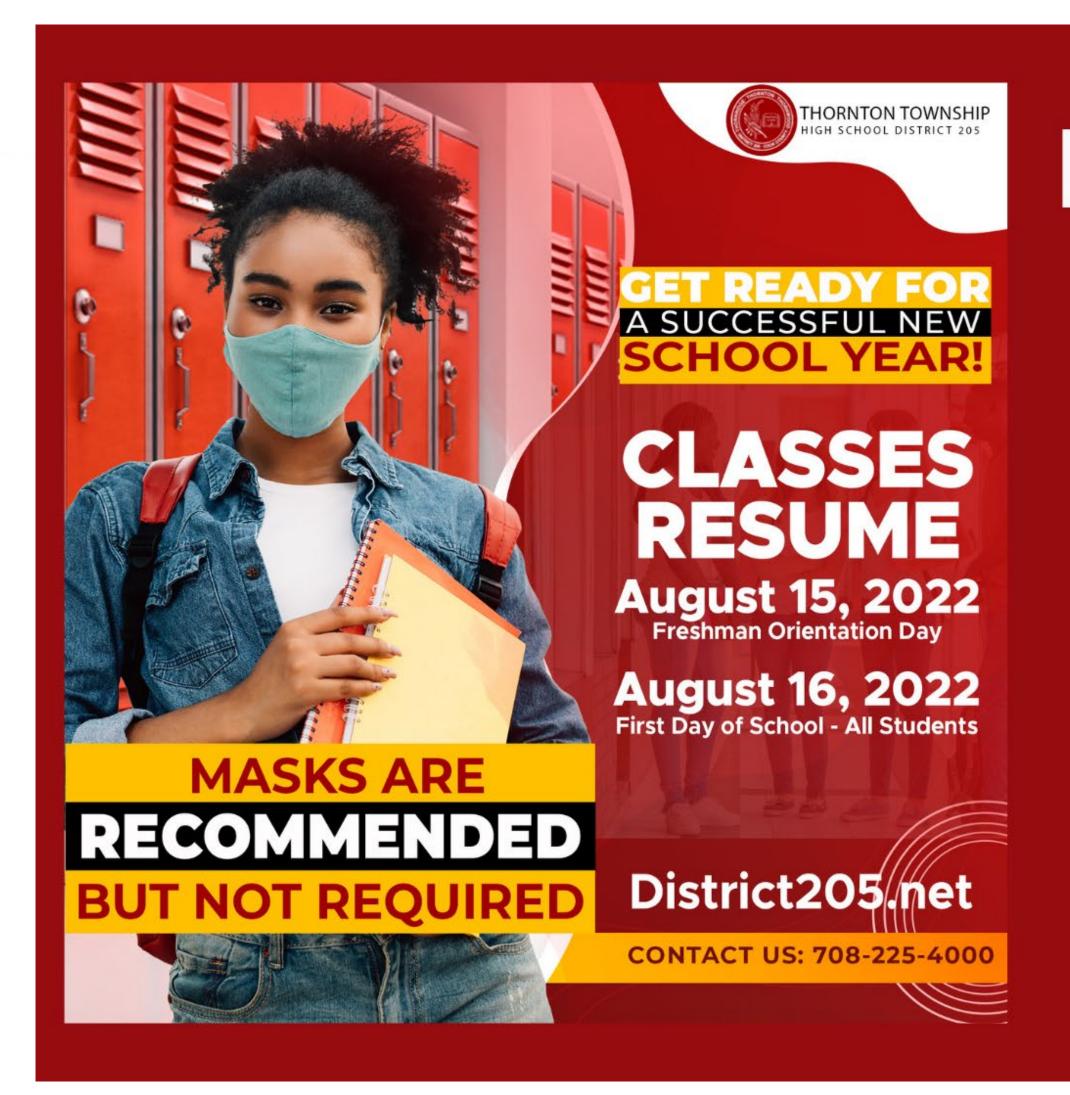


School physicals were provided in July, as well.









#### Planning Ahead



Social media campaign was launched in July to remind parents and students to plan ahead for the start of school.



Campaign included emails, text messages, and website posts.





#### METRICS

- 40% of All Students Enrolled by June 1, 2022
- 60% of All Students Enrolled by July 1, 2022
- 85-90% All Students Enrolled by August 1, 2022



#### REGISTRATION DATA

Registration Data as of First Day of School			
	Expected		Percent
	Enrollment		Registered
2021	4337	2949	68%
2022	4289	3839	90%
Difference	-48	890	22%

<sup>\*</sup>As of the first day of school, August 15, 2022.



FATAL VISION DRIVING COURSI









Students in Drivers Ed and Health participated in a Fatal Vision Driving Course.

Students drove a golf cart while wearing fatal vision goggles.

They then underwent a sobriety test given by a Dolton Police Officer!





HOMECOMING 2021









Thornridge High School had a great Homecoming week, with spirit days including Class color, Gender Bender Day, Due/Trio Day, Throwback Thursday and TR Spirit Day!

The week was ended with a Pep Assembly where TR student, Aaliyah Hutchins performed the National Anthem and the crowd showed support for our athletes!





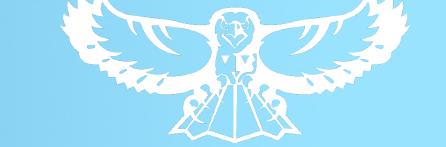
AVID SENIORS GO TO UNIVERSITY OF NOTRE DAME



Climbing the road to success, the Thornridge AVID Seniors went on a field trip to the University of Notre Dame where they learned about what the university has to offer!









STUDENTS VISIT MIELLE

- Monique and Melvin Rodriguez graduates of TTHS
- Founded Mielle Organics Beauty Products in 2014
- Students were able to tour the facilities in Chicago and learn about the different functions of Mielle, the operations, product development and marketing
- Students left inspired
- Special thanks to Clark official and the TTHS Counsels for organizing this event
- Thanks to Senator Napoleon Harris for stopping by to drop some gems and District 205 Board President Ms. Nina Graham for her support



THORNTON TOWNSHIP
HIGH SCHOOL DISTRICT 205

MIELLE VISIT





STUDENTS VISIT PHARMACY
IN HOMFWOOD



- Students had an opportunity to see how a real retail Pharmacy is run
- Following the field trip, many of the students have already applied for their Pharmacy Technician License and have Started to apply to work in Walgreen Pharmacies in the area
- Special thanks to Mr. Jonathan Roth, Science teacher for creating these opportunities for our students





BODY ARMOR SOCCER CHAMPIONS



- •Won the BODYARMOR tournament for two years in a row!!!
- Kudos to Coaches Gonzalez and Espinoza for their hard work.



## THORNWOOD



#### NATIONAL HONORS SOCIETY INDUCTION

This year the Thornwood NHS inducted 39 new members on Thursday, September 29<sup>th</sup> in our first induction ceremony, back in person, since the pandemic. The organization is student-led and therefore the NHS student officers run the induction ceremony and write their own speeches to present information and examples demonstrating the four pillars. Our new members will join the existing 22 Seniors who were inducted last year. This group of inductees are unique in that they have been able to maintain their academic and extracurricular responsibilities during the past couple of challenging school years, showcasing their resilience and determination. They will certainly go far and make Thornwood proud in their future endeavors.

In order to apply more membership into the Thornwood National Honor Society (NHS), students must have a cumulative grade point average of 3.25 or above. Juniors and Seniors who meet this qualification may complete an application that showcases their involvement at Thornwood, leadership positions, and the community service they have done. Students will then choose teachers to fill out recommendations to give evidence of their character of integrity and dedication to Thornwood. Faculty members meet to assess the applications and make the final decisions about the students who will be inducted into Thornwood's National Honor

#### **SERVICE**

Society

Our NHS members serve at least 30 community service hours to surrounding communities and at school.

#### **CHARACTER**

NHS members are expected to make decisions of integrity and be a role model for other students at Thornwood.

#### LEADERSHIP

NHS members hold leadership positions in almost every club, sport and activity in the school.

#### **SCHOLARSHIP**

NHS members must maintain a 3.25 GPA and above to apply for membership and graduate as an NHS scholar.



#### THORNWOOD

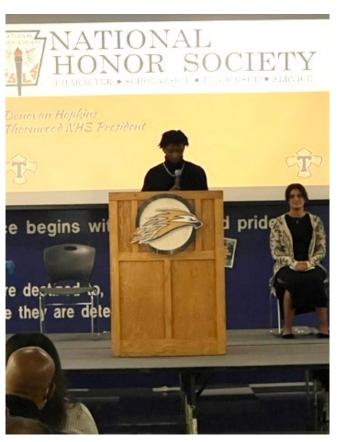


NATIONAL HONORS SOCIETY INDUCTION





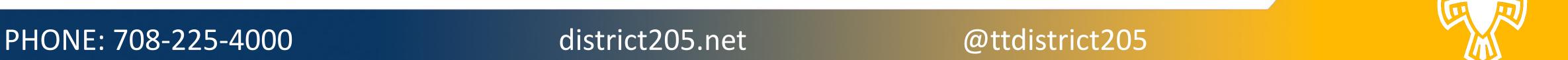












# THORNTON TOWNSHIP HIGH SCHOOL DISTRICT 205

#### THORNWOOD

MARCHING THUNDERBIRDS

Congratulations to The Thornwood Marching Thunderbirds for earning the <u>2nd Place</u> Trophy for the 2022 Chicago Football Classic High School Battle of the Bands.













#### THORNWOOD

YOUNG MALE YOUTH CHAT

On Wednesday, October 5<sup>th</sup> the Young Male Youth Chat hosted their first guest speaker/panel of the year.

The format for this initial event, was done differently than in the past. The chat was centered around MTSS and culturally responsive Mental Health Support for our most at risk male students recommended by our Deans. The goal of this speaker series was to bring in a culturally responsive leader who could speak to the importance of mental health through the lens of the Diaspora as well as, the importance of self-respect and their roles as future leaders of our community. The renowned Dr. Obari Cartman who's book about mental health, will be added to the curriculum here at TW and the book made available in our library. We invited boys from MTSS/LOP/Disciplinary concerns to minimize and manage traffic (Potentially 100 young men). The students gathered from 9:50am-12:35pm in the PAC for the discussion and then from 12:35pm-2:00pm for lunch provided by Q's Shop. The students were instructed to attend their 11<sup>th</sup> period classes.









#### THORNWOOD



FRESHMAN FIELD TRIP TO GSU

- •Freshmen Clinic: Planning and Thinking High School Success PaTHSS' 5-week designation at TW was marked with a field trip to Governors State University. With 200+ students and adults in attendance of the musical Red Summer, TWs newest Thunderbirds and Student Ambassadors were nothing short of being AMAZING!!!
- •Red Summer, GSU's season opener, is a World Premiere musical that gave our high school students a powerful way to engage with history, connect with social and racial justice, it applies common core standards, and moves closer to creating a more compassionate community. Our students were invited to a special student matinee performance on September 23, at 10 a.m. that included a post-show Q&A with the playwright and cast.
- •Our district offers strong academic and SEL experiences and attending a performance of Red Summer offered additional curriculum connections and continued dialogues where we discuss history, racial injustice, social

















FATAL VISION DRIVING COURSE









Students in Drivers Ed and Health participated in a Fatal Vision Driving Course.

Students drove a golf cart while wearing fatal vision goggles.

They underwent a sobriety test given by a Dolton Police Officer.





HOMECOMING 2021









Thornridge High School had a great Homecoming week, with spirit days, including Class Color, Gender Bender Day, Due/Trio Day, Throwback Thursday and TR Spirit Day!

The week ended with a Pep Assembly where TR student, Aaliyah Hutchins, performed the National Anthem, and the crowd showed support for our athletes!



### THORNRIDGE HIGH SCHOOL



AVID SENIORS GOTO UNIVERSITY OF NOTRE DAME



Climbing the road to success, the Thornridge AVID Seniors went on a field trip to the University of Notre Dame where they learned about what the university has to offer!









### STUDENTS VISIT MIELLE

- Monique and Melvin Rodriguez are graduates of TTHS
- Founded Mielle Organics Beauty Products in 2014
- Students were able to tour the facilities in Merrillville and learn about the different functions of Mielle, such as operations, product development and marketing
- Students left inspired
- Special thanks to Clark officials and the TTHS Counselors for organizing this event
- Thanks to Senator Napoleon Harris and District 205 Board President Ms. Nina Graham for their support



THORNTON TOWNSHIP
HIGH SCHOOL DISTRICT 205

MIELLE VISIT





STUDENTS VISIT PHARMACY



- Students learned about the operations of a pharmacy
- Following the field trip, many of the students who applied for their Pharmacy Technician License started an application to work in a Walgreens Pharmacies in the area
- Special thanks to Mr. Jonathan Roth, Science Teacher, for creating this opportunity for our students





BODY ARMOR SOCCER CHAMPIONS



- Won the BODYARMOR tournament for two years in a row!!!
- Kudos to Coaches Gonzalez and Espinoza for their hard work.





### NATIONAL HONORS SOCIETY INDUCTION

This year, the Thornwood NHS inducted 39 new members on Thursday, September 29<sup>th</sup>, in our first in person induction ceremony since the pandemic. The organization is student-led and therefore the NHS student officers run the induction ceremony and write their own speeches to present information and examples demonstrating the four pillars. Our new members will join the existing 22 Seniors who were inducted last year. This group of inductees are unique in that they have been able to maintain their academic and extracurricular responsibilities during the past couple of challenging school years, showcasing their resilience and determination. They will certainly go far and make Thornwood proud in their future endeavors.

In order to apply for membership into the Thornwood National Honor Society (NHS), students must have a cumulative grade point average of 3.25 or above. Juniors and Seniors who meet this qualification may complete an application that showcases their involvement at Thornwood, leadership positions, and the community service they have done. Students will then choose teachers to fill out recommendations to give evidence of their character of integrity and dedication to Thornwood. Faculty members meet to assess the applications and make the final decisions about the students who will be inducted into Thornwood's National Honor Society.

### SERVICE

Our NHS members serve at least 30 community service hours to surrounding communities and at school.

### **CHARACTER**

NHS members are expected to make decisions of integrity and be a role model for other students at Thornwood.

### **LEADERSHIP**

NHS members hold leadership positions in almost every club, sport and activity in the school.

### **SCHOLARSHIP**

NHS members must maintain a 3.25 GPA and above to apply for membership and graduate as an NHS scholar.





NATIONAL HONORS SOCIETY INDUCTION

















MARCHING THUNDERBIRDS

Congratulations to the Thornwood Marching Thunderbirds for earning a 2nd Place Trophy for the 2022 Chicago Football Classic High School Battle of the Bands.













YOUNG MALE YOUTH CHAT

On Wednesday, October 5<sup>th</sup>, the Young Male Youth Chat hosted their first guest speaker/panel of the year.

The format for this initial event was done differently than in the past. The chat was centered around MTSS and culturally responsive Mental Health Support for our most at-risk male students recommended by our Deans. The goal of this speaker series was to bring in a culturally responsive leader who could speak to the importance of mental health through the lens of the Diaspora, as well as the importance of self-respect and their roles as future leaders of our community. The renowned Dr. Obari Cartman's book about mental health will be added to the curriculum here at TW, and the book will be available in our library. We invited boys from MTSS/LOP/Disciplinary concerns to minimize and manage traffic (potentially 100 young men). The students gathered from 9:50am-12:35pm in the PAC for the discussion and then from 12:35pm-2:00pm for lunch provided by Q's Shop. The students were instructed to attend their 11<sup>th</sup> period classes.











FRESHMAN FIELD TRIP TO GSU

- •Freshmen Clinic: Planning and Thinking High School Success PaTHSS' 5-week designation at TW was marked with a field trip to Governors State University. With 200+ students and adults in attendance of the musical Red Summer, TWs newest Thunderbirds and Student Ambassadors were nothing short of AMAZING!!!
- Red Summer, GSU's season opener, is a World Premiere musical that gave our high school students a powerful way to engage with history, connect with social and racial justice, it applies common core standards, and moves closer to creating a more compassionate community. Our students were invited to a special student matinee performance on September 23, at 10 a.m., that included a post-show Q&A with the playwright and cast.
- Our district offers strong academic and SEL experiences and attending a performance of Red Summer offered additional curriculum connections and continued dialogues about history, racial injustice, social activism, civil engagement, music, and of course, theatre.









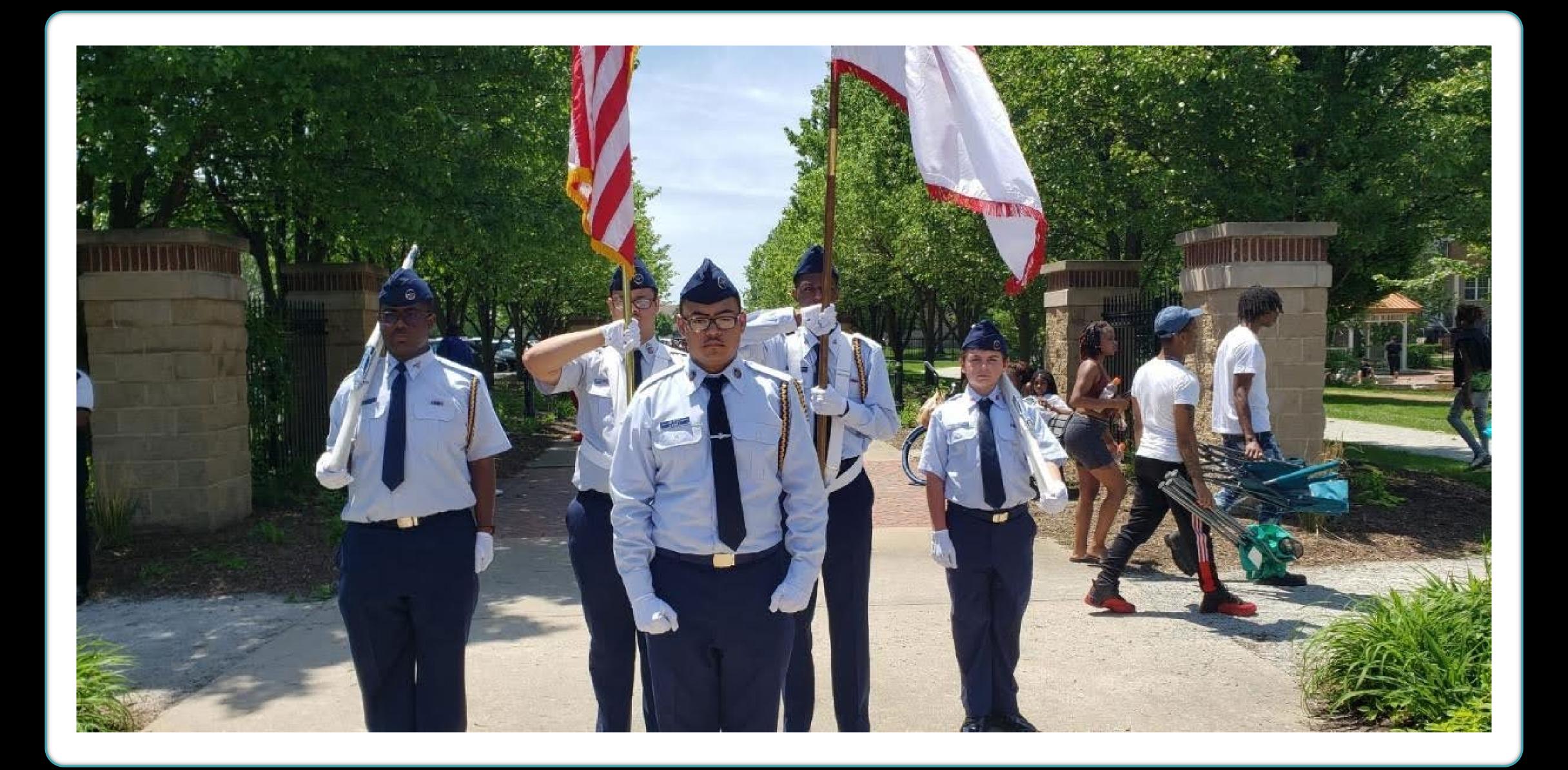




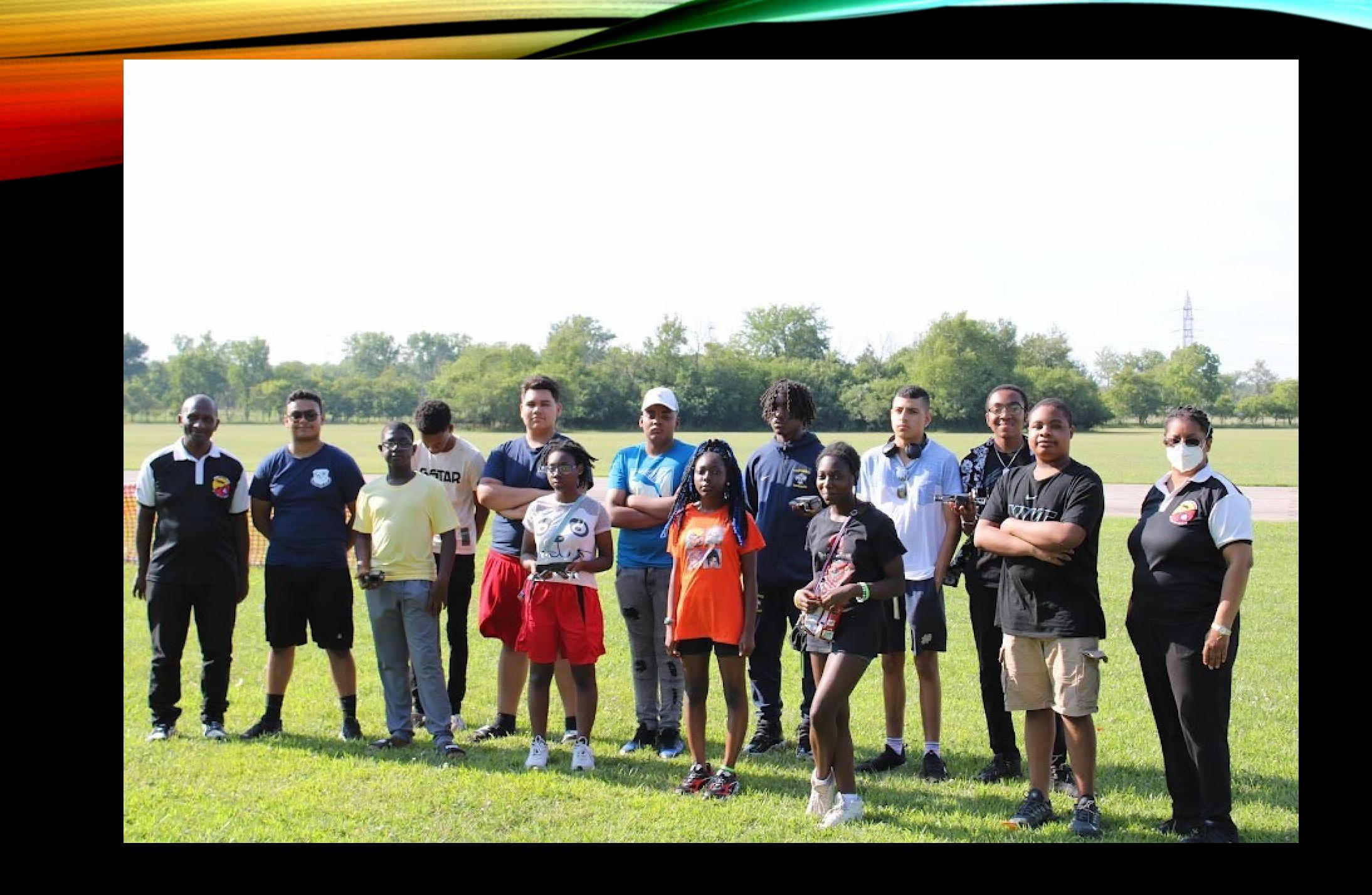


A. Presentation: D205 Civil Air Patrol Drone Program - Mr. Fickes













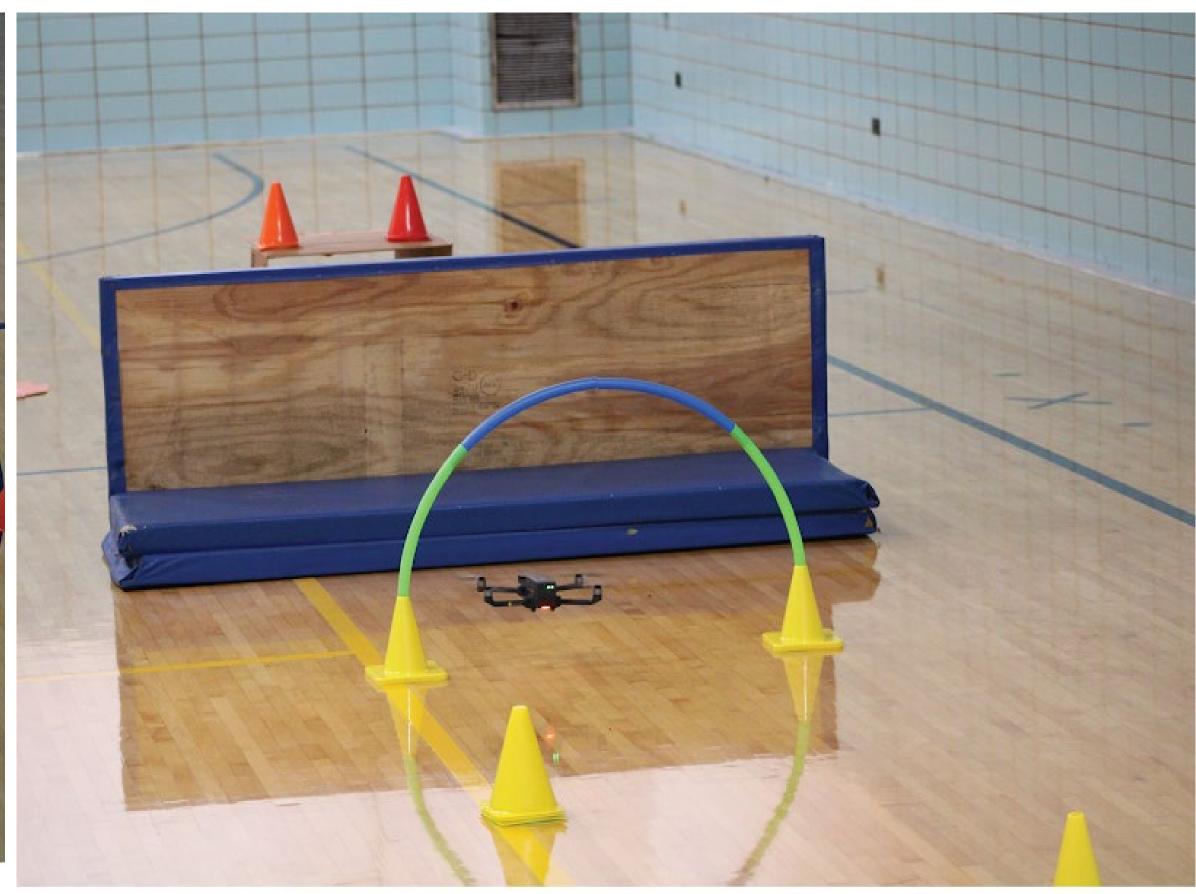








Drone obstacle course #1



Drone obstacle course #2





### CERTIFICATE

### OF PARTICIPATION

This certificate is presented to:

**Every Student in the Drone Program** 

For completion of the High School District 205 Drone Academy July 18 - July 22, 2022

INSTRUCTORS: C/MSGT CHAVEZ SM. HAYSLETT



Col. Carol Curtis

COORDINATOR:



Thank you for Joing Us In The Civil Air Patrol Drone Academy

### DRONE PARTICIPANTS



Ivan Angula - Thornton Anthony Archaga - Thornridge Jaden Brown - Thornwood Gerald Carter - Other Christopher Hibbitt Jr. - Thornwood Kolagbade Kolawole - Thornwood Jalen McGhee - Thornwood Quadri Ojelade - Other Rhayanna Ousley - Thornwood Naomi Pickett - Thornton Jasmine Pickett - Other Veronica Pickett - Thornton Marcus Shelby - Thornridge Madison Wright - Thornwood



### Civil Air Patrol Cadets



Cadet Jalen Bean Cadet Kiara Belcher Cadet Yakayah Green Cadet Elijah Harris Cadet Shatwon Julious Cadet Linsday Langley Cadet Anaja Macon Cadet Laila McKay Cadet Erin Tisdel Cadet Anthony Walker



### Tech Person/Chaperones/Drone Instructors (Civil Air Patrol)

C/SMSgt Angel Chavez
Col. Carol Curtis
Lt. Kenneth Hayslett
Captain Tim Richardson
Captain Gerard Smith

B. Presentation: D205 Soccer Team and Coach David Gonzalez – Mr. Fickes

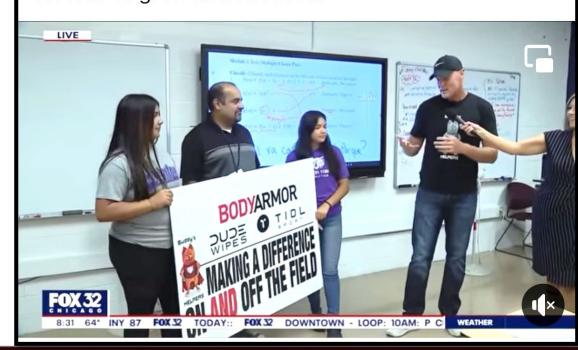


Dave Gonzalez played on one of the greatest high school soccer teams - not only in South Suburban history, but #IHSA history.

Since 2009, Gonzalez has been back coaching at his district alma mater, now closing in on 200 career wins.

Off the field, he's been a true champion for kids & his community.

Buddy's HELPERS made a surprise in-class presentation at Thornton High School in honor of #NationalCareForKidsDay, which honors and recognizes adults for creating positive environments for kids to grow and succeed.





### SPORTS

Bulls guard Lonzo Ball to have another knee procedure, will be re-evaluated ...

LOCAL

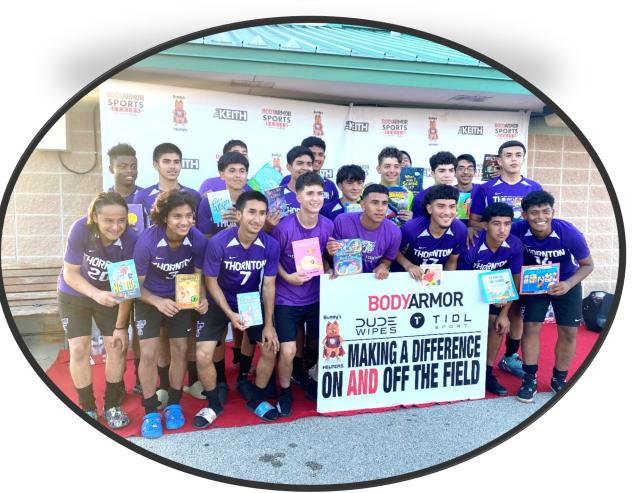
Thornton High School teacher surprised by family, awarded honor by colleagues



Dave Gonzalez, a teacher at Thornton High School, was presented with special recognition in his classroom. He's pictured here with family, colleagues, and administrators. Photo credit Joe Trost







PHONE: 708-225-4000

▶ LISTEN ∨

C. Presentation: ComEd Public Schools Carbon Free Assessment – Mr. Fickes



October 12, 2022

# Public School Carbon-Free Assessment Program (PSCFA)

Implementation Team | Olivia Youngblood

### Agenda

- 1. PSCFA Program Details
- 2. Program Goals & Benefits
- 3. Potential for Public Schools
- 4. Helpful Information
- 5. Assessment Process
- 6. Summary

### PSCFA Program Details

- ComEd's Public School Carbon Free Assessment (PSCFA) – NO COST TO SCHOOLS!
- Public School Carbon Free Assessment (PSCFA) program was created as a result of the Illinois Climate
  and Equitable Jobs Act (CEJA) that was passed in
  September 2021.
- CEJA includes provisions to phase out carbon emissions from the energy and transportation sectors. As part of this legislation, public schools can receive a free PSCFA.
- To qualify for a Construction Grant Funding under Section 5-40 of the School Construction Law, a public school district must submit a copy of the PSCFA (if a PSCFA has been performed) or request the PSCFA and submit a copy as soon as it becomes available.



### **PSCFA Program Goals**



• Finding ways to improve the energy efficiency in public schools



 Help public schools identify opportunities to reduce the carbon emissions associated with their energy usage



• Provide guidance for public schools to be carbon-free in energy usage by 2030

# Summary of Recommended Facility Assessment Tool Enhancements for PSCFA Program

BENEFICIAL ELECTRIFICATION

- Incorporate the investment breakdown of electrification of space and water heating infrastructure
- Report shall include a quantifiable carbon reduction impact

### VEHICLE ELECTRIFICATION CALCULATOR

- Incorporate a vehicle charging infrastructure calculator and an investment breakdown into the FA Tool
- Report shall include a quantifiable carbon reduction impact
- (Optional) Incorporate an electric school bus cost calculator into the FA tool, and incorporate the maximum potential savings from the state and federal grant programs



### **WELL CERTFICATION ANALYSIS**

 Incorporate the WELL scorecard and an overview of the investments required to satisfy all required pre-conditions

### **SOLAR CALCULATOR**

- Incorporate the existing ComEd solar savings calculator (or similar)
- The calculator shall also have the ability to evaluate for ground-based units in addition to the rooftop evaluation

### **BUILDING ENVELOPE INSPECTION**

 Incorporate one of the US Department of Energy's recommended open-source Building Energy Modeling (BEM) applications, such as EnergyPlus or OpenStudio

67

### **PSCFA Benefits**



FREE non-interruptive assessment of the facility



 Energy efficiency cost savings opportunities



Infrastructure
 required to support
 the electrification of
 the school's space
 heating, water
 heating and
 transportation needs



 Total achievable solar energy potential

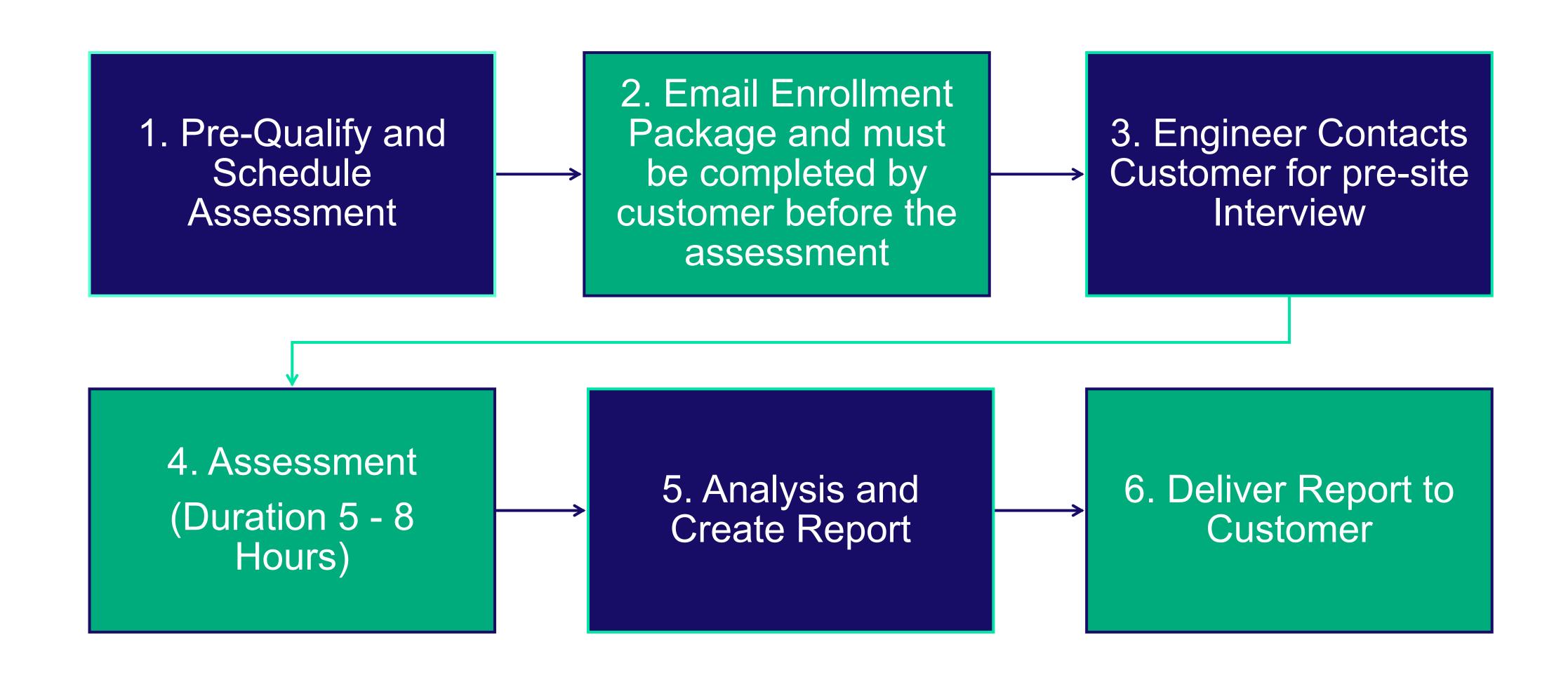


 Investment required to achieve WELL Certification



 Mechanical Insulation evaluation and inspection of the building envelope

# Enrollment Process: Step By Step Process Michaels Energy Customer Support Team



### Report Preview



### Carbon Free Assessment

Prepared for

### example

By: Pushkar Vartak • Engineer • (405) 334-8634 • pushkar.vartak@clearesult.com.invalid Acct. Number ending in 3005 • 24226 W BEACH GROVE RD, ANTIOCH, IL 60002 • 9/30/2022

### EXECUTIVE SUMMARY

### Financial Benefit

We estimate your Facility has the potential for:

Annual Savings \$88,857

ComEd Energy Efficiency Program Incentive \$3,250

### Annual Energy Benefit

1,000,000 kWh/yr Before After 593,700 kWh/yr

Up to 41% Energy Up to 406,300 kWh Reduced

### Annual Environmental Benefit

Can Reduce Your Carbon Footprint by up to... 198 Metric Tons of CO, Equivalent or 47 Homes Powered Annually

Want to get Started?... Let us help Or visit: ComEd.com/Sixtnoentives to learn more



Kathryn Eggera Outreach Professional keggera@mwallance.org.invalid

Page 1 of 23



### **SOLAR OPPORTUNITIES**

The solar production potential of the facility's rooftop has been evaluated and it was determined that there is enough area with adequate sunlight to be considered a good candidate for solar deployment. Below please find an serial view of the facility highlighting where solar panels would be most productive on the rooftop along with the economics of implementing this type of project.

Project Details

Estimated Solar Capacity: 500 kW

Estimated # of Solar Panels: 800

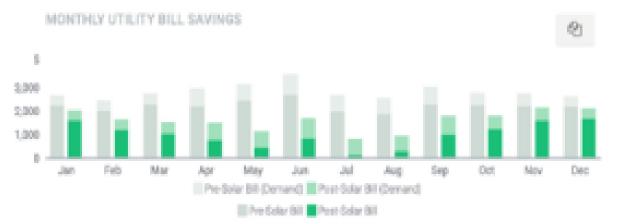
Annual Energy Use Offset: 30%

Estimated Annual Generation: 300,000 kWh



Financial Details Estimated Project Cost: \$500,000 Estimated Incentive: \$1,250 Estimated Simple Payback: Years Lifetime Savings: \$480,000





The calculation above is based on a type of solar panel with an 18% efficiency and 5 feet 5 inches by 3 feet 3 inches in size, with a cost based on the Illinois Power Agency cost curve for solar energy systems.

Learn more about the benefits of solar energy and adjust your own design at ComEd.com/Solar.

Want to get Started?... Let us help Or visit: ComEd.com/BizIncentives to learn more

Outreach Professional (312) 374-0922

Page 5 of 23

keggera@mwalliance.org.invalid



### WELL CERTIFICATION

The WELL Building Standard™ provides evidence-based applications that could transform healthy learning environments and improve the wellness and well-being of its students, faculties and supporting staff members. promoting physical fitness, providing mental health support and education, reducing air and noise pollution, and engaging teachers and community members. Through these interventions, educational spaces can create an environment that optimizes student well-being and academic performance, allowing them to reach their full

Total Estimated Cost to Achieve Pre-Requisites \$105,009

Total Estimated Cost to Achieve Certification \$76,006

				Air	12
Y	N				
Y		P	A01	Air Quality	
_	N	P	A02	Smoke-Free Environment	
_	N	P	A03	Ventilation Design	
Y		P	A04	Construction Pollution Management	
	N	0	A05	Enhanced Air Quality	
Y		0	A06	Enhanced Ventilation Design	
Y		0	A07	Operable Windows	
	N	0	A08	Air Quality Monitoring and Awareness	
	N	0	A09	Pollution Infiltration Management	
	N	0	A10	Combustion Minimization	
_	N	0	A11	Source Separation	
	N	0	A12	Air Filtration	
	N	0	A13	Enhanced Supply Air	
	N	0	A14	Microbe and Mold Control	

### Feature Description

The Air features in WELL provide an improved, comprehensive approach to address problems of indoor air Quality and its effects on student health.

<span style="color: rgb(32, 33, 36); font-family: Roboto, arial, sans-serif; font-size: 16px;">The WELL Air concept aims to ensure high levels of indoor air quality across a building's lifetime through diverse strategies that include </span><b style="color: rgb(32, 33, 36); font-family: Roboto, arial, sans-serif; font-size: 16px;">source elimination or reduction, active and passive building design and operation strategies and human behavior interventions</b>

Estimated Cost to Achieve Pre-Requisite \$10,000

Estimated Cost to Achieve Certification \$30,000

### Report Preview



### **Energy Efficiency Electrification**

Energy Efficiency Electrification (EEE) refers to the process of replacing equipment powered directly by fossil fuel with all-electric equipment. EEE is an important step towards decarbonization and it includes a broad range of environmentally-friendly solutions that enable facilities to achieve their sustainability goals.

### Install Air Sourced Heat Pump

Replace existing gas-fired furnaces with Air Source Heat Pumps

Location	Qty	Existing	Proposed	Savings (kWh/Yr)	Savings (Therm/Yr)	Savings (\$/Yr)	Cost (\$)	Incentive (\$)	(Years)
Mechanical Room	1	Packaged AC and Propane Central Furnace	Electric Air Cooled (Fuel Backup) Cold Climate Air Source Heat Pump	57,300	0	\$3,400	\$19,700	\$0	5.8
Install Air Sourced	Heat P	ump	Subtotal	57,300	0	\$3,400	\$19,700	\$0	5.8

### Install Heat Pump Water Heaters

Replace existing natural gas-fired water heater swith Heat Pump Water Heaters

-				Estimated Energy	Estimated Energy	Estimated	Estimated	Estimated	Payback
Location	Qty	Existing	Proposed	Savings (kWh/Yr)	Savings (Therm/Yr)	Savings (\$/Yr)	Cost (\$)	Incentive (\$)	(Years)
Kitchen	2	Natural Gas-Fired Water Heaters	Heat Pump Water Heaters	22,100	1,500	\$2,800	\$6,200	\$0	2.2
Install Heat Pump Water Heaters Subtotal			22,100	1,500	\$2,800	\$6,200	\$0	2.2	



### **Building Envelope and Mechanical Insulation**

Building Envelope and Mechanical Insulation address the insulation or efficient material use for Walls, Windows Roof and Mechanical Equipment such as pipes and valves. Using efficient insulation or materials helps improve efficiency for supporting systems such as HVAC and Water heating by reducing the loss of energy through heat transfer to the outside or surrounding environment.

### Example

Example

Location	Qty	Existing	Proposed	Savings (kWh/Yr)	Savings (Therm/Yr)	Savings (\$/Yr)	Cost (\$)	Incentive (\$)	(Years)
MainRooftop	6,000	Roof Assembly with Thermal Resistance as Mandated by Building Code	Roof Assembly with High Efficiency Thermal Resistance Insulation	120	6,800	\$6,807	\$8,400	\$0	1.2
Example			Subtotal	120	6,800	\$6,807	\$8,400	\$0	1.2

### Install Cool Roof

Install Cool Roof to reflect more sunlight than a conventional roof, reducing solar energy absorption and building heat gain

Estimated Energy

				Estimated Energy	Savings	Estimated	Estimated	Estimated	Payback	
Location	Qty	Existing	Proposed	Savings (kWh/Yr)	(Therm/Yr)	Savings (\$/Yr)	Cost (\$)	Incentive (\$)	(Years)	
Rooftop	5,000	Roof Assembly with Thermal Resistance as Mandated by Building Code	Roof Assembly with High Efficiency Thermal Resistance Insulation	1,500	0	\$90	\$15,000	\$0	166.7	
Install Cool Roof			Subtotal	1,500	0	\$90	\$15,000	\$0	166.7	_
Building Envelo	pe and Me	chanical Insulation Total	Subtota	1,620	6,800	\$6,897	\$23,400	\$0	3.4	•



### **Transportation Vehicle Electrification**

Transportation Vehicle Electrification (TVE) refers to the process of replacing transportation vehicles powered directly by fossil fuel with all-electric vehicles and corresponding charging infrastructure. TVE is an important step towards decarbonization and it includes a broad range of environmentally-friendly solutions that enable facilities to achieve their sustainability goals. You can Adjust your own EV design and charging plan at ComEd.com/EV.

### Replace Passenger Vehicles

Replace Passenger Vehicles with All-Electric Passenger Vehicles and Dedicated Charger

				Estimated Savings	Estimated Cost	Estimated Incentive	Payback
Location	Qty	Existing	Proposed	(\$/Yr)	(\$)	(\$)	(Years)
School Bus	3	School Bus - Diesel - Type D	Electric Type D School Bus - 155 kWh (0.77 mi/kWh) with Level 2 Charger	\$50,000	\$300,000	\$0	6.0
Replace Passenge	r Vehicles		Subtotal	\$50,000	\$300,000	\$0	6.0

### Replace Light Duty Vehicles

Replace Light Duty Vehicles with All-Electric Passenger Vehicles and Dedicated Charger

				Estimated Savings	Estimated Cost	Estimated Incentive	Payback
Location	Qty	Existing	Proposed	(\$/Yr)	(\$)	(\$)	(Years)
	2	Maintenance Van - Gasoline - Class 1	Electric Class 1 Light Duty Vehicle - 100 kWh (0.77 mi/kWh) with Level 2 Charger	\$6,000	\$100,000	\$0	16.7
Replace Light Dut	ty Vehicles		Subtotal	\$6,000	\$100,000	\$0	16.7
Electric Vehic	cle Total		Subtotal	\$56,000	\$400,000	\$0	7.1





### Electrification Infrastructure

### Electrification Infrastructure Upgrades

The following opportunities were identified for electrical infrastructure upgrades to your facility needed to suppadded load of suggested building and transportation electrification measures. While ComEd suggests these upgrades to the following system, it is strongly recommended you work with an electrical designer to investig the required changes further.

### Opportunity at Your Facility: Domestic Water Heating

The suggested electric storage water heater will increase your facilities load by 200 kW, the suggested area currently has no conduit runs or panels,

A panel must be installed in the area and can be fed of panel A in mechanical room B. The costs below estima conduit runs and panel install as well as labor costs for doing so.

Estimated Cost: \$25,000

### Opportunity at Your Facility: Transportation

The suggested EV chargers will ad an electrical load of 100 kW, this is a slightly more than the building would able to support with other electrification opportunities included. In addition there will be required electrical runs the bus barn, where there is currently insufficient panel capacity to support the chargers. While this will increase building load, the increased load will not run concurrently with building peak, therefore increased transformer capacity is not suggested.

Estimated Cost: \$250,000

### Opportunity at Your Facility: HVAC

The ground sourced heat pump system will increase facility electrical load by approximately 400 kW, this is more than the current transformer capacity as well as building main panel amperage capacity. The electrical system need to be upgraded to support this additional load, including the cost of a new transformer and high amperagement panel.

Estimated Cost: \$500,000

### ADDITIONAL FUNDING OFFERINGS

Available Funding Offe	erings	
In addition to Energy Efficiency Incentives Incentives, you following third party funding of		
✓ K-12 Solar Schools Grant		School Maintenance Grant
Illinois Shines Renewable Energy Credits		Charging Incentive Program
✓ Clean School Bus Program	$\overline{\mathbf{A}}$	School Construction Grant
☐ Cook County Solar Schools Grant		K-12 Wind Schools Grant

### Clean School Bus Program

### Offering Description:

The EPA Clean School Bus Program provides rebates to public school districts that replace 2010 or older diesel-powered/internal combustion school buses with zero- or low-emission buses. Private school bus fleets cannot apply directly for funding; however, eligible applicants can enter into a contractual arrangement with a private fleet that owns and operates buses to replace buses that serve a public school district.

Funding Opportunity: \$150000.00

### **School Construction Grant**

### Offering Description:

The School Construction Grant Program (https://www.isbe.net/Pages/School-Construction.aspx) contributes to the cost of building or renovating public school buildings, based on enrollment and needs of the district. The program historically has covered between 35% and 75% of the cost to build or renovate buildings. School districts that apply for a grant on or after 6/1/23 must submit a copy of their PSCFA Report.

Funding Opportunity: \$300000.00

### Helpful Information

- PSCFA is FREE for the school
- Scheduling is flexible, allowing the school to choose a time and date that works best for them
- Schools will receive an informative report with findings from the PSCFA within a month of the facility walkthrough
- Identify energy efficiency project incentives and third-party funding sources
- To fund carbon-free initiatives in the future, schools may apply for grants under the School Construction Law. Eligibility for these grants is based on the school completing or having requested a PSCFA.
- Program ends December 31, 2029



### **Assessment Process**

- Request your free assessment online, over the phone, or via email
  - **-** 855-433-2700
  - BusinessEE@ComEd.com
  - www.ComEd.com/PSCFA
- Receive a questionnaire via e-mail within 24-48 hours
- We will contact you to schedule the assessment on a date and time that works best for you
- Our team will conduct a high-level interview with the school's facility, energy, or building engineer/manager
- We perform the facility walkthrough with a school escort
- We deliver and review the PSCFA with you and file it with the State on your behalf



# Summary

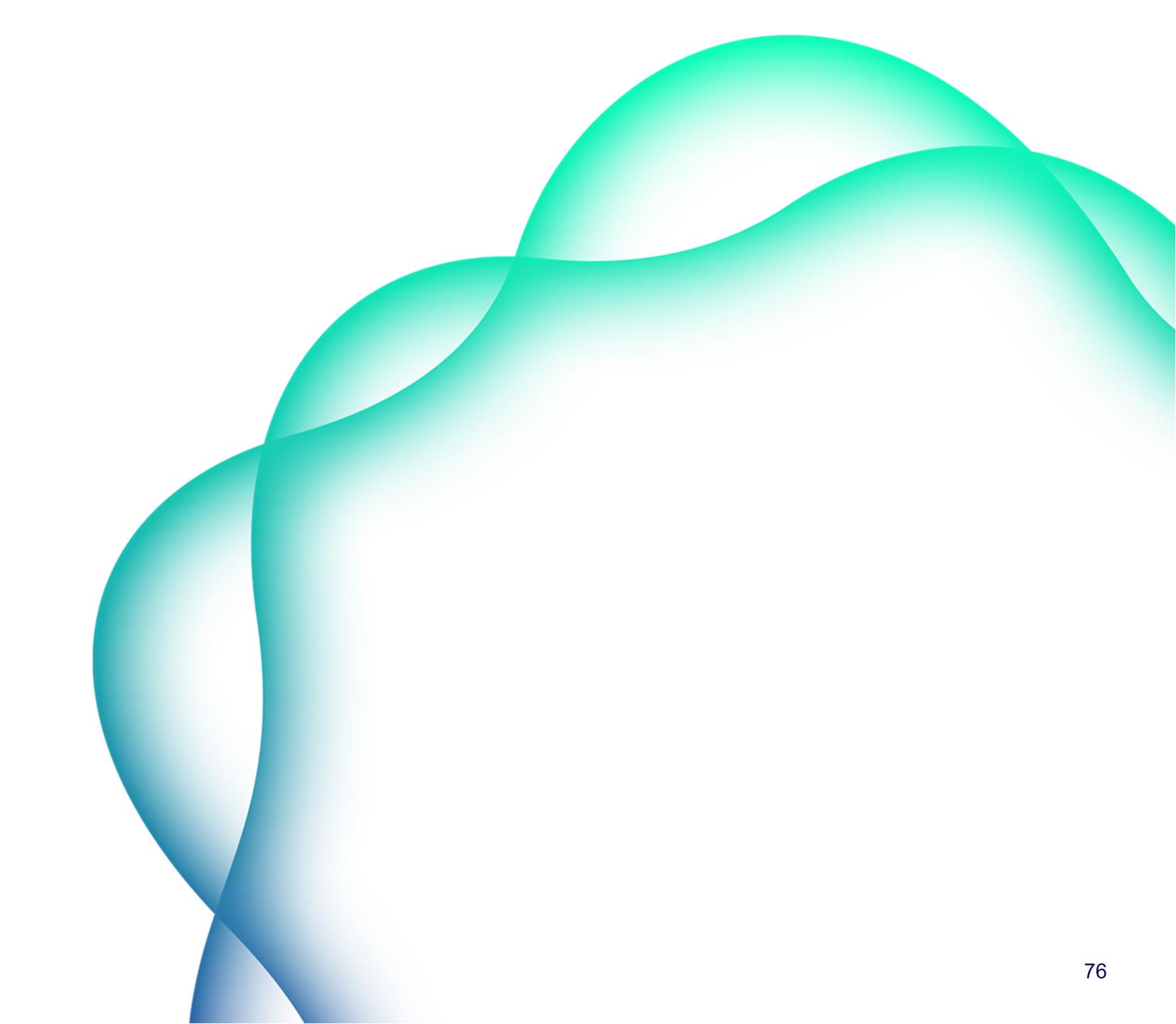
- Free, convenient assessment
- Maximize savings and reduce energy burden
- Happier, healthier schools
- Guidance on becoming carbon-free
- Identify funding needs and opportunities



# Thank you

Olivia Youngblood 224.661.5152 ComEdPSCFA@MichaelsEnergy.com

# Appendix



### FAQ's

#### 1. How far out can I schedule an on-site?

a. We can schedule as far out as you would like, however we like to keep the appointments within a couple of months or less to keep them front of mind and mitigate the need for reschedule requests. The assessments are first come first serve and we want to accommodate everyone to the best of our ability.

#### 2. What is CEJA?

a. CEJA is the Climate and Equitable Jobs Act, Public Act 102-0662, which was passed by the General Assembly and signed into law by Governor Pritzker on September 15, 2021. CEJA includes provisions to phase out carbon emissions from the energy and transportation sectors.

#### 3. Why is ComEd offering this?

a. ComEd is offering the Carbon Assessment to public schools in support of the Illinois Climate and Equitable Jobs act which clearly defines the information that public schools need to receive as part of the carbon assessment. This includes energy savings, electrification of schools and transportation, mechanical insulation, infrastructure, solar potential and investment required for a Bronze level WELL certification.

#### 4. How much is the assessment?

a. The assessment is offered at no cost to the schools.

#### 5. What are the deliverables I can expect?

- a. The district will receive the following information in a report and meeting at the conclusion of the assessment. This information is provided for each facility assessed.
  - i. Energy efficiency and insulation opportunities
  - i. Electrification opportunities for buildings and transportation
  - ii. Infrastructure changes that would be required to adopt any of the opportunities
  - iii. Potential for solar
  - iv. Criteria required to achieve a WELL Bronze certification
  - v. Cost estimates
  - vi. Funding opportunities

#### 6. How long will it take to get the assessment results?

a. Assessment results are delivered within a month.

### **FAQs Continued**

#### 7. Can I do just one building and extrapolate that to the district?

a. A school can do a single building but cannot extrapolate the findings to every building in the district. Each facility is different and will have different, efficiency, electrification, solar and infrastructure needs and opportunities. It is highly recommended that the school district have the assessment for every facility.

#### 8. Does a district have to do all its facilities at the same time?

a. No. It is recommended that the district clump buildings together so they can assess the results of several buildings simultaneously. These can be bundled geographically (e.g., close together) or by function (e.g., administrative and transportation buildings, or elementary schools etc.) Large districts can also schedule a bundle of buildings each monthly, quarterly or annually to keep the information digestible and to avoid over tasking key resources required to participate.

#### 9. Can a large school district book their appointments over the next few summers?

a. We will not schedule a large school district with all the summer spots year over year. We must spread the participation out. There are only about 100 spots available over summer break. They can have a portion of these year over year. Example 20 or so. The actual number for future years will be contingent on participation and spread of assessments across the state.

#### 10. How long is this assessment available?

a. This assessment is available through December 2029 and is offered on a first come first served basis. We encourage customers who are interested to pursue this sooner rather than later so they have the information they need for planning and to obtain any existing or future funding opportunities that may become available.

#### 11. What is the construction grant?

a. Answer coming.... It is due June X, 2023.....

#### 11. What is a WELL certification?

a. The International WELL Building Institute offers numerous levels of building health and safety certifications. The certification focuses on multiple health categories for classification and improvement including but not limited to air, water, nourishment, light, movement, sound, mental health, materials and community. Each categories have criteria and are scored. The total facility score will designate the WELL level. ComEd is offering an assessment to define what would be required to achieve a bronze level.



D. Recommended Approval of – Illinois Empower Workplans for School Improvement for Thornridge, Thornton, and Thornwood High Schools – Mr. Fickes (Approval needed)

### THORNRIDGE HIGH SCHOOL



#### S C H O O L I M P R O V E M E N T G O A L S

#### Thornridge has a ISBE designation of Commendable.

- Thornridge will continue to strive for the highest designation of Exemplary.
- Our School Improvement Plan is designed to improve data metrics for student success and continue on our path for Exemplary designation.

#### Goals for 2023 School Year

- 1. SAT scores will increase by 10% in ELA / Math. (% of students who meet/exceed)
- 2. Chronically absent students will decrease by 10%, from 71% to 61%.
- 3. The graduation rate will increase by 10%, from 70% to 80%.
- 4. In SY24 a Cosmetology/Barbering program will be added to our CTE courses.



### THORNTON



#### S C H O O L I M P R O V E M E N T G O A L S

- By June 2023, 95% of 9th grade students will be on-track for graduation as measured by passing course rates (D/F list) and earned credits.
- By June 2023, 75% of 10th through 12th grade students will be on track as measured by passing course rates (D/F list) and earned credits.
- By June 2023, 9th through 11th grade students will increase their performance on PSAT/SAT by at least 10% as measured by College Board reporting of the Fall and Spring testing results.

#### Wildly Important Goal

• By the end of the 2022-2023 school year, each grade level will have a 90% attendance average as measured by the Illinois School Report Card.



# THORNWOOD



#### S C H O O L I M P R O V E M E N T G O A L S

#### Thornwood High School has an ISBE designation of Commendable!

• Our School Improvement Plan is designed to improve data metrics for student achievement and increase CTE course offerings, as we continue our path towards an *Exemplary Designation*.

#### 2022-23 Goals

- 1. % of students who meet or exceed SAT benchmarks will increase by 10% in ELA and Math
- 2. % of students who meet or exceed the Illinois Science Assessment benchmarks will increase by 5%
- 3. Severely absent student count will decrease by 20% from 36%-16%
- 4. The 4-year Graduation rate will increase by 10% from 84% to 94%
- 5. In SY24 the Cosmetology/Barbering program will be added to our CTE course offerings

Wildly Important Goal: STUDENT ACHIEVEMENT!



E. Recommended Approval of Cosmetology and Barber Program Equipment Purchases - Mr. Fickes (Approval needed)

F. Recommended Approval of Thornridge High School New Band Instruments & Equipment – Mr. Horton (Approval needed)

G. Recommended Approval of Thornton Township High School New Band Instruments & Equipment - Mr. Horton (Approval needed)

H. Recommended Approval of Thornridge High School Assembly and Placement of Math Desks – Mr. Horton (Approval needed)

 Recommended Approval of Communications Services Agreement -Mr. Horton (Approval needed)

J. Superintendent's Report – Dr. Nathaniel Cunningham Jr.

### K. Faculty Association

- Our Current Attendance Policy
- Building Safety Concerns
- Communication between Staff and Administration
- Our Faculty Association Survey

### EXECUTIVE SESSION

- Motion to enter into Closed Session, pursuant to 2(c) of the Open Meetings Act to consider the following:
  - The appointment, employment, compensation, discipline, performance, or dismissal of specific employees;
  - Student discipline;
  - Collective negotiating matters; and
  - o Pending, probable or imminent litigation



### ACTION ITEMS FOLLOWING OPEN SESSION

- A. Motion to Approve Student Discipline (3)
- B. Motion to Approve Agreement Regarding Former Employee's Wage Claim
- C. Motion to Approve Board Response to Grievance No. 050922
- D. Motion to Approve Board Response to Grievance No. 051022



Next Regular Meeting – November 9, 2022 Thornridge High School