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HSC Information Line
989-642-2800

12334 Geddes Rd
Hemlock, MI 48626

HEMLOCK SEMICONDUCTOR



COVER
Art

Artist: Lilly Palencia

School: Stone Elementary School

Title: BEARS

Medium: Colored Pencils, Crayons, Markers & Pens

Interpretation: My artwork celebrates the Ojibwe Tribe. My artwork is personally meaningful to me because the bear I draw means strength. I used my strength and creatively made my wonderful artwork.



HEMLOCK SEMICONDUCTOR



2023 Community Calendar



Artist: Amber Tedhams
School: Alma High School
Title: Protecting Innocence
Medium: Prisma Colored Pencils & Inks

Interpretation: My artwork celebrates Chief Pontiac and his family. Pontiac was an Odawa war chief known for his role in the French and Indian War. He helped fight against the British to protect the land of Michigan.

This is personally meaningful to me because I love how Pontiac fought for us and showed his family love while doing it.

I drew this piece, because it represented Pontiac's family love.

A YEAR OF EXPLORATION

Discovering the ideas that shape our communities

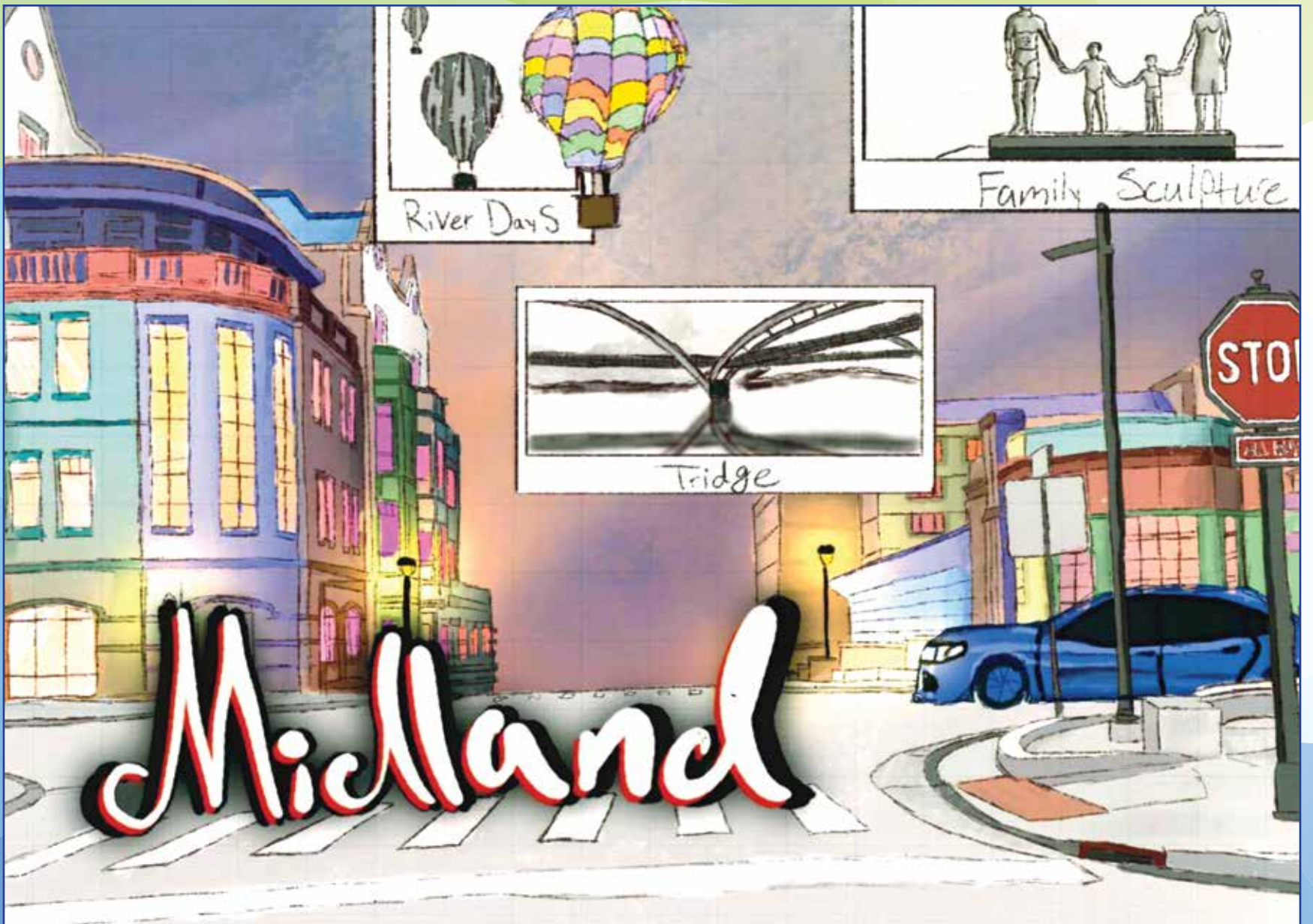
Hemlock Semiconductor Operations is proud to sponsor the 13th Annual Community Calendar Art Contest. This year's contest celebrates the power of human ingenuity, the delight of exploration, and the spirit of discovery.

We invited students in grades 6-12 among the Saginaw, Bay City, Midland, and Gratiot school districts to submit original artwork about the spirit of exploration and discovery. Students responded with an inspiring array of creative entries. The judges were impressed by all entries, recognizing 14 works for an outstanding balance of quality, color, creativity, subject matter, and alignment to the theme.

Throughout the pages of this calendar, you can see the 14 winning entries. You'll also see a collection of "Michigan Greats" – fast facts that explore the rich legacy and innovative spirit of the Great Lakes Bay Region and Great Lakes State.

On behalf of Hemlock Semiconductor Operations and the Community Calendar Art Contest judges, we want to thank all of the students and teachers who participated. Special congratulations to Carrollton Middle School for winning the "Best of the Best" Award.

Thank you to the schools, teachers, parents, and young artists who helped make this calendar a unique and vibrant success. It's sure to brighten the walls of our homes, offices, and school rooms all year long in 2023.



Artist: Marcy Bandlow
School: Bullock Creek High School
Title: Town of Midland
Medium: Digital Art

Interpretation: My artwork shows a view of downtown Midland, along with the well-known family sculpture, Tridge, and the hot air balloons from River Days. The image is what I personally see each time I go to the Tridge. I also love looking at the family sculpture and going to River Days every year.



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 New Year's Day Kwanzaa Ends	2	3	4 On-Site Testing and Community Sirens*	5	6	7
8	9	10	11 National Human Trafficking Awareness Day	12	13	14
15	16 Martin Luther King Jr. Day	17	18	19	20	21
22 Lunar New Year	23	24	25	26	27	28
29	30	31	<p>Architectural Great – Midland native and architect Alden B. Dow (1904-1983) studied under Frank Lloyd Wright and contributed to an iconic architectural style called Michigan Modern, which can still be seen in buildings, churches and homes from Michigan to Texas.</p>			

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Lillian Haut
School: Bay City Academy
Title: Sunny Dreams
Medium: Colored Pencils

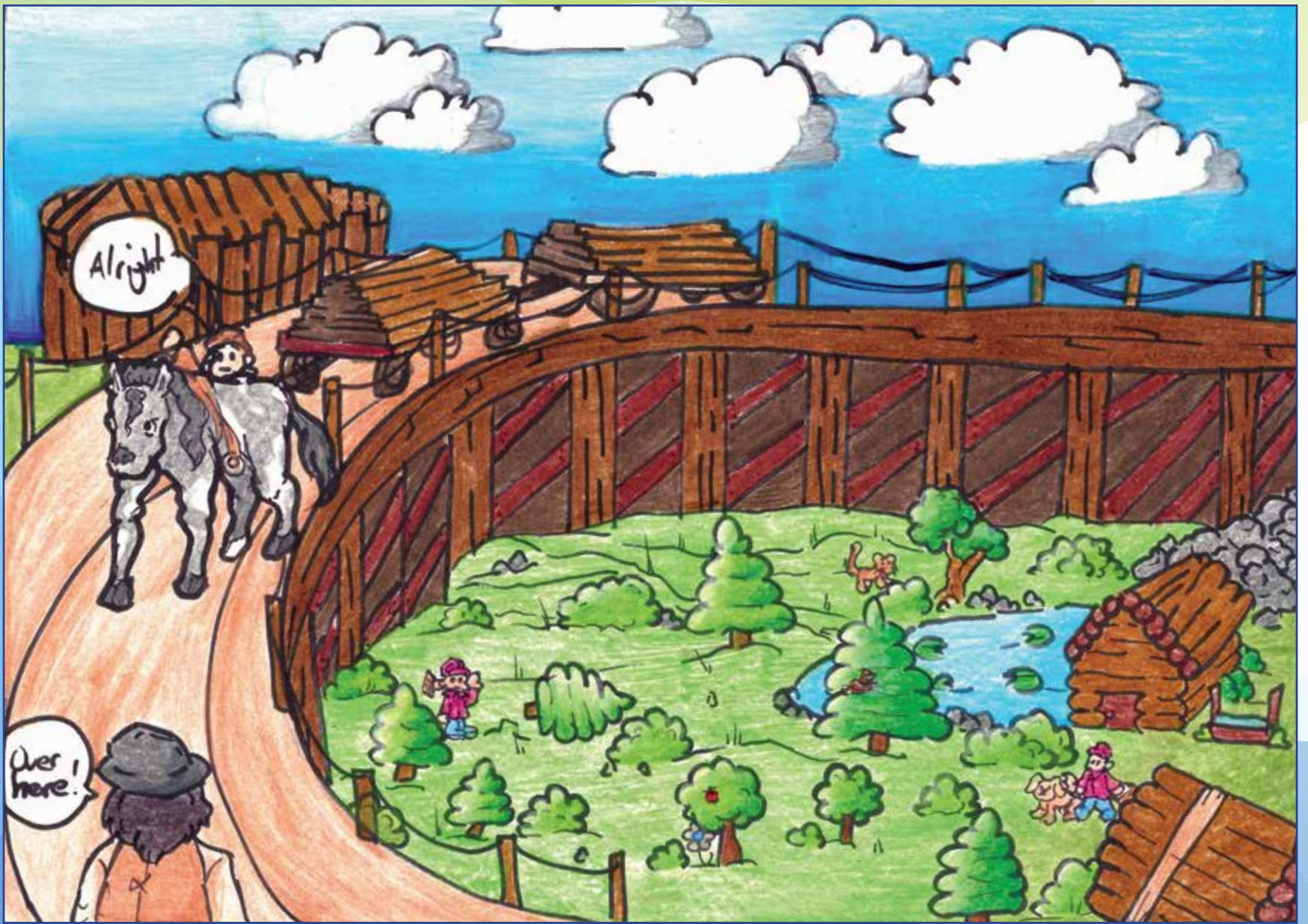
Interpretation: The artwork celebrates the Native American groups in Michigan, but specifically the Ottowan tribe. It's in the place I've lived my whole life and it's very interesting to research the history of Michigan, because they don't really teach us about it. It's also just cool to think that there were Native groups that come from Michigan.

FEBRUARY

Black History Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	1 Community Sirens*	2 Groundhog Day	3 National Wear Red Day	4
5	6	7	8	9	10	11
12 Lincoln's Birthday	13	14 Valentine's Day	15	16	17	18
19	20 Presidents' Day	21 Fat Tuesday	22 Ash Wednesday	23	24	25
26	27	28	<p>Computing Great - Born in Lansing to computer-savvy parents, Larry Page grew up fascinated by computers and technology. In college, Page wanted to improve the relevance of internet searches, so he launched a better search engine called Google Inc.</p>			

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Evan Williams

School: Carrollton Middle School

Title: The Life As A Saginaw Lumberman

Medium: Colored Pencils & Ink

Interpretation: My artwork celebrates how settlers in Saginaw were able to work and create this lovely city. This is meaningful to me because I always wondered what life in Saginaw was like, so I decided to make this art piece.

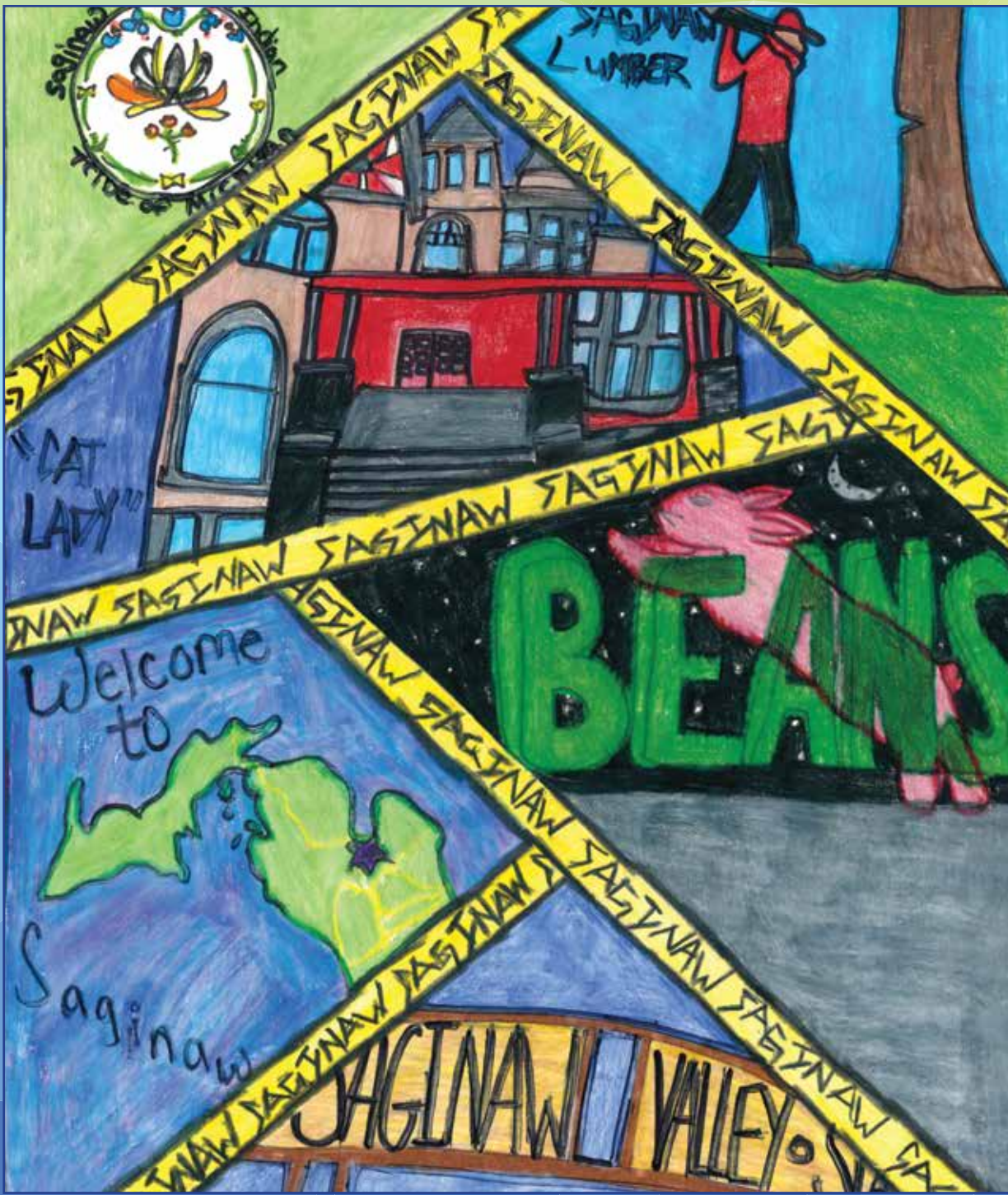


Conserving Great - In the Great Lakes Bay Region, the Shiawassee National Wildlife Refuge is preserving and conserving 10,000 acres of precious floodplain forest, marshes, rivers, and habitats for wildlife, waterfowl, and migratory birds.

Women's History Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	1 Community Sirens*	2	3 Employee Appreciation Day	4
5	6	7	8 Int'l Women's Day Holi	9	10	11
12 Daylight Saving Time Begins	13	14	15 Equal Pay Day	16	17 St. Patrick's Day	18
19	20 Spring Begins	21	22 Ramadan Begins	23	24	25
26	27	28	29	30	31	

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Alexis Acha
School: Carrollton Middle School
Title: Saginawesome
Medium: Prisma Colored Pencils & Inks

Interpretation: My artwork celebrates the discoveries and explorers of Saginaw Chippewa Indian Tribe, Saginaw Lumber, the "Cat Lady" House, Beans Bunny Sign, Saginaw Valley, and just Saginaw in general. These locations and symbols are special to me because they play a part in who I am, being from Saginaw.

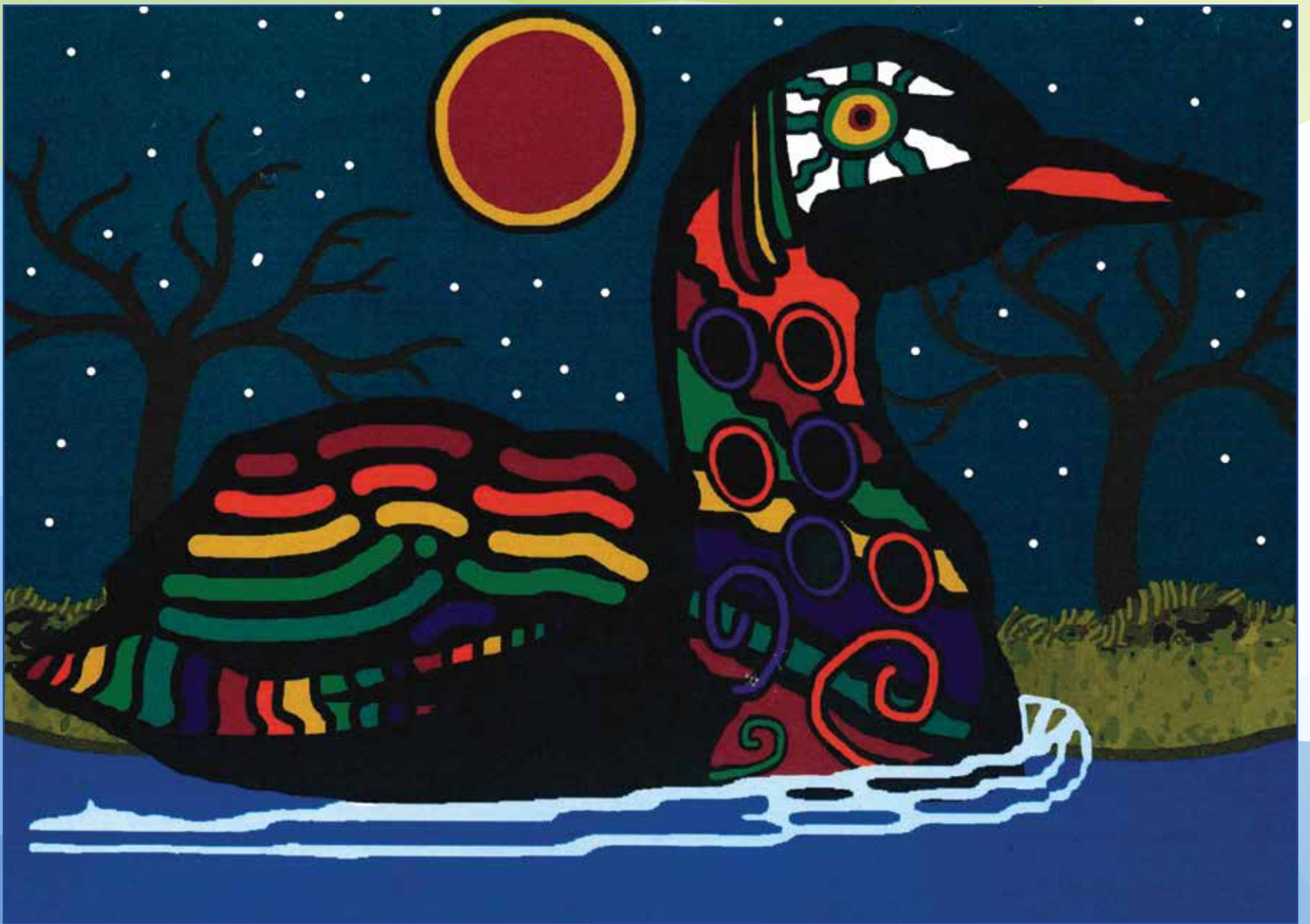


Native Great – The first Michigianians were Native Americans who developed ways of farming, fishing, and mining. The largest of Michigan tribes is the Chippewa tribe, also known as Ojibwa, who were drawn to the extensive resources of the Saginaw Bay.

Diversity & Volunteer Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	31	1 April Fools Day
2 Palm Sunday	3	4	5 Community Sirens* Passover Begins	6	7 Good Friday	8
9 Easter	10	11	12	13 Passover Ends	14	15
16	17	18 Tax Day	19	20	21 Ramadan Ends	22 Earth Day
23 30	24	25	26 Administrative Professionals Day	27	28	29

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Remmi MacDonald
School: Freeland High School
Title: The Loon of the Ojibwe
Medium: Digital Art

Interpretation: My artwork celebrates the discovery of our local Ojibwe people's art style. It also celebrates the nature we sometimes take for granted in our area. I believe that nature is something that we should preserve whilst still discovering new things. It is also very important to me that we appreciate the art style and the people that were here before us.



Asian Pacific American Heritage & Mental Health Awareness Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	1	2	3 Community Sirens*	4	5 Cinco de Mayo	6
7	8	9	10	11	12	13
14 Mother's Day	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29 Memorial Day	30	31	<p>Growing Great - Michigan is a leading producer of cherries, apples, blueberries, cranberry beans, black beans and much more. With 200 agricultural commodities grown in the state, Michigan's agricultural diversity is second only to California.</p>		

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Miah Medina-Austin
School: Freeland Middle School
Title: Journey
Medium: Watercolored Paint

Interpretation: My artwork represents the native people in the area. It celebrates their discovery of land, development, and a successfully growing community. Our ancestors have laid the foundation, the land is now filled with homes, businesses, schools, and more. Our community is growing rich in diversity and culture, which adds value and continued growth. Culture and diversity are important to me. It gives me pride to celebrate the land and development of this area. I am excited to see more progress in the future.



Inventing Great - Many inventions began in the Great Lakes State, from the first cars and the automobile assembly line perfected by Henry Ford to canned baby food created by Daniel Frank Gerber in Fremont, to the first electric hospital bed created by Dr. Homer Stryker in Kalamazoo and many more.

Pride Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	1	2	3
4	5	6	7 Community Sirens*	8	9	10
11	12	13	14 Flag Day	15	16	17
18 Father's Day	19	20	21 Summer Begins	22	23	24
25	26	27	28	29	30	

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Olive Graves
School: John Glenn High School
Title: A Boat to Explore
Medium: Watercolored Pencils

Interpretation: My artwork celebrates exploration and new beginnings. It is two Native Americans building a canoe. Although invented by the indigenous people in Canada, the canoe provided a way of transport for the Native Americans. This let to them being able to explore their surroundings more deeply. This in meaningful to me because I believe exploration is an important factor of life. If a person is closed off to the rest of the world, they are unable to live out their life to the fullest.



Manufacturing Great - Michigan is a manufacturing powerhouse and home to many leading manufacturers on the current Fortune 500 list, including Autoliv, BorgWarner, Dow, Ford Motor, General Motors, Kellogg, Lear, Masco, Stryker, and Whirlpool.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
25	26	27	28	29	30	1
2	3	4 Independence Day	5 On-Site Testing and Community Sirens*	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23 30	24 31	25	26	27	28	30

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Grace Chacon
School: Nouvel Catholic Central
Title: Blueprint to Victory
Medium: Mixed Media

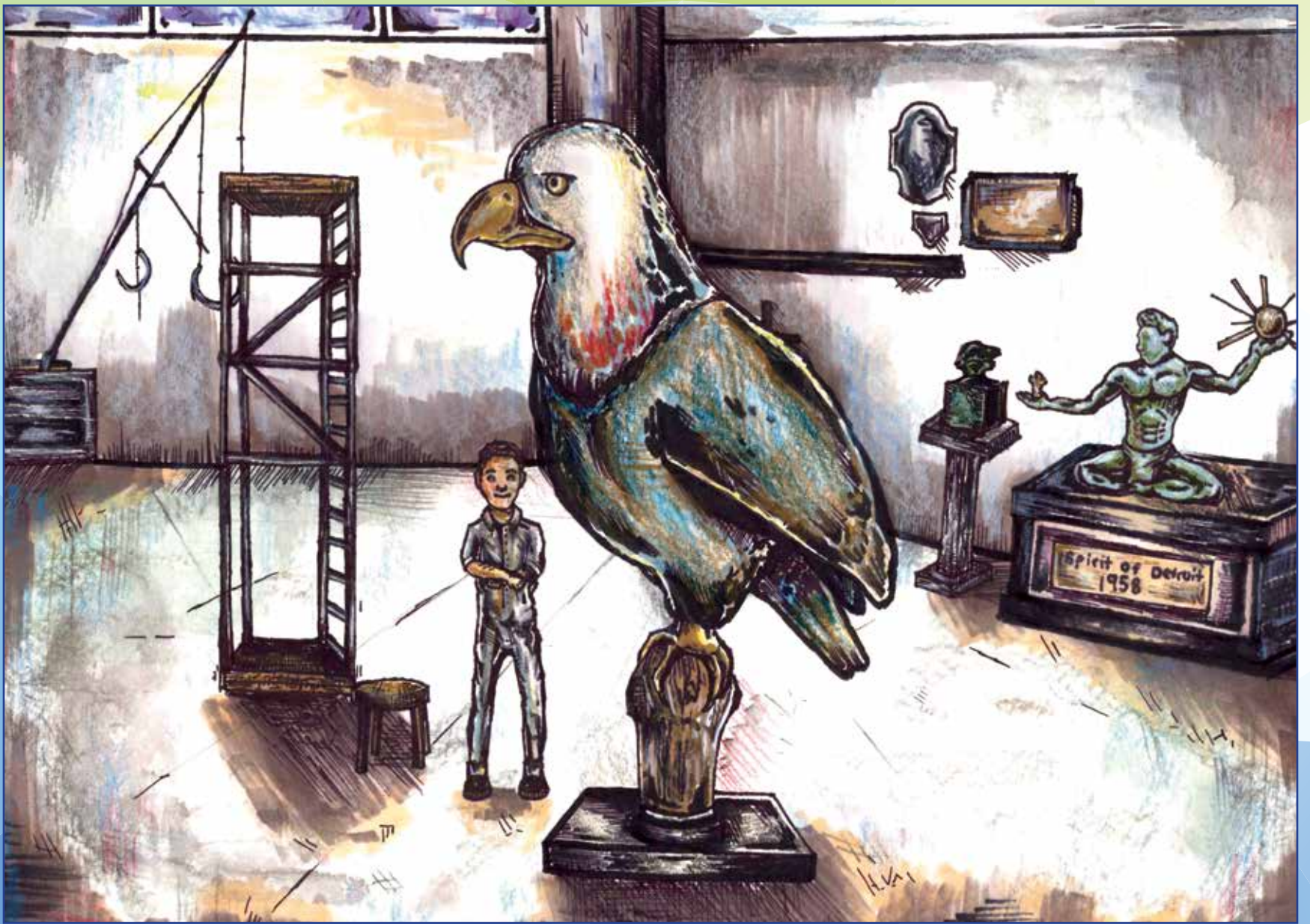
Interpretation: Edward Heinemann was a military aircraft designer for the Douglas Aircraft Company. I have always loved the idea of flying high in the sky, so having someone from Saginaw help create plans that were also in WWII is so cool to me.

AUGUST

Recreating Great - With more than 3,200 miles of shoreline, Michigan boasts some of the country's most beautiful and diverse beaches, with more than 100 state parks and five national parks attracting well over 100 million visitors every year.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	1	2 Community Sirens*	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21 Senior Citizens' Day	22	23	24	25	26 Women's Equality Day
27	28	29	30	31		

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: August Clark
School: Saginaw Arts and Sciences Academy
Title: The Spirit
Medium: Marker & Prisma Colored Pencils

Interpretation: My artwork celebrates Marshall Fredericks, and his contributions to Saginaw, MI. These contributions include the Marshall Fredericks Sculpture Museum at SVSU, and the Spirit of Detroit sculpture located in Detroit, Michigan. When I think of Saginaw, I think of Marshall Fredericks and his contributions to Saginaw mainly through his deep love of art. This piece is personally meaningful to me because like Marshall Fredrick's, I too am in love with the visual arts, and all forms of it. The bald eagle in this piece portrays the limitless creativity that he had, the fire in his soul, his soaring passion for the arts, and all the forms of it!



Forestry Great - Michigan's forests are growing twice as much every year as what is harvested, and timber covers 51% of the state's total land base.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	31	1	2
3	4 Labor Day	5	6 Community Sirens*	7	8	9
10	11	12	13	14	15 Rosh Hashanah	16
17	18	19	20	21	22	23 Autumn Begins
24 Yom Kippur	25	26	27	28	29	30

*See alarm times on the Siren Alarms table at the end of this calendar.

Hispanic Heritage Month (Sept 15-Oct 15)



Artist: Gehavius Franklin-Tolliver
School: Saginaw Arts and Sciences Academy
Title: The Goodridge Brothers Photographers
Medium: Mixed Media

Interpretation: The explorers that my artwork celebrates are the Goodridge Brothers. This artwork is meaningful to me because the brothers, William and Wallace were responsible for some of the first photos taken of Saginaw. The brothers photographed the daily life of people in our community. They were African American but focused on both the White and African American population. I believe this work shows that no matter the race, everyone can benefit from one another and that is an important matter.



National Disability Employment & Global Diversity Awareness Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4 Community Sirens*	5	6	7
8 National Fire Prevention Week	9 Columbus Day Indigenous Peoples' Day	10	11	12	13	14
15	16	17	18	19	20	21 Sweetest Day
22	23	24	25	26	27	28
29	30	31 Halloween	<p>Educating Great – Michigan established the first state university in 1817 (University of Michigan) and also the world's first agricultural land-grant college in 1855 (Michigan State University). Today, Michigan has 15 public universities, including Central Michigan University and Saginaw Valley State University in the Great Lakes Bay Region.</p>			

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Sophia Fan
School: White Pine Middle School
Title: Woven into History
Medium: Colored Pencils

Interpretation: My piece celebrates the Ojibwe people, also known as Chippewa. They were the first people to inhabit the Saginaw Bay area. Legend has it, they introduced the settlers to maple syrup. Today there are programs and festivals that celebrate the making of maple syrup, some of which teach people how to make it themselves. Maple Syrup has been part of Michigan's agriculture for many years. While at Hartley Nature Center, I learned about the Ojibwe, heard their legend and learned how the process of maple syrup came about.



National Native American Heritage Month

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	31	1 Community Sirens*	2	3	4
5 Daylight Saving Time Ends	6	7	8	9	10	11 Veterans Day
12 Diwali	13	14	15	16	17	18
19	20	21	22	23 Thanksgiving	24	25
26	27	28	29	30 Technology Great - Lansing-born researcher and physicist Donald B. Keck, who earned a Ph.D. at Michigan State University, discovered that sound could be transmitted along a fiber of silica glass, bringing about the fiber-optic technology we now use every day.		

*See alarm times on the Siren Alarms table at the end of this calendar.



Artist: Tarynn Sierocki
School: White Pine Middle School
Title: Lufkin Rule, 1918
Medium: Colored Pencils, Oil Pastels & Watercolor

Interpretation: After the influenza virus, the economy was rough. The only place that was thriving was the industrial economy. I decided to celebrate one of the iconic companies at this time. It stood out to me because of how long Lufkin rule has been thriving.



Renewing Great - Renewable energy technologies of wind and solar have roots in the Great Lakes Bay Region - with some of the earliest wind energy blades produced by Gougeon Brothers in Bay City, and solar energy-enabling polysilicon materials produced by Hemlock Semiconductor.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	29	30	1	2
3 Advent Begins	4	5	6	7 Hanukkah Begins	8	9
10	11	12	13	14	15 Hanukkah Ends	16
17	18	19	20	21 Winter Begins	22	23
Advent Ends Christmas Eve 24 New Year's Eve 31	25 Christmas Day	26 Kwanzaa Begins	27	28	29	30

*See alarm times on the Siren Alarms table at the end of this calendar.

COMMUNITY SAFETY INFORMATION

Be Safe. Be Informed.

Below, you will find helpful safety information on how to prepare for a potential chemical emergency. For a fast reference, please see the Quick Safety Tips section at the end of this calendar.

This information is also posted on our webpage at www.hscpoly.com, which also features:

- Information about warning sirens
- Icons that signal community alert status
- Chemical Fact Sheets

Please familiarize yourself with this information at your earliest convenience.

Shelter-In-Place

What is "shelter-in-place?"

Shelter-in-place is a proven and effective method of protecting you and your family from the hazardous effects of chemical accidents, such as liquid chemical spills, vapor releases and fires involving hazardous materials. Such accidents, while rare, could happen at any time and virtually anywhere. Possible sources of a chemical emergency include manufacturing facilities, chemical plants, warehouses, retail establishments, farms, agricultural product centers, gas stations, and transportation (such as trucks and rail cars).

How do I shelter-in-place?

1. When the Community Notification System is activated, immediately take your family and pets indoors.
 2. Tightly close and latch all doors and windows.
 3. Turn off all fans, heating and air conditioning systems.
 4. Close fireplace dampers and any other vents to the outside.
 5. Gather your emergency supply kit (see the following page).
 6. Go to an above-ground room (not the basement) with the fewest windows and close the door.
 7. Stuff damp towels in the open space between door and floor.
-
8. If necessary, seal doors, windows and any vents with duct tape and plastic sheeting.
 9. If you smell chemicals, breathe through wet washcloths or towels.
 10. Stay in the room and listen to the radio or watch TV for further instructions.
 11. If told to evacuate, follow instructions given by emergency personnel.

When should I shelter-in-place?

You should follow shelter-in-place procedures whenever you receive notification of a chemical emergency. This may be broadcast over the radio or cable television, directly by emergency personnel, or by the Community Notification System (such as sirens or telephone alerts). You should also shelter-in-place when you see or smell any unusual chemicals in the air.

Why not evacuate?

While evacuations may be needed in rare situations, there would normally not be enough time to safely evacuate all affected individuals. Evacuation also endangers emergency personnel and individuals being evacuated by potentially exposing them to the chemicals in question.

What if I'm in a vehicle?

If you are inside a vehicle during a chemical emergency, stop the vehicle at a safe location as soon as possible. Do not attempt to drive home or to another location. Shut off the vehicle's engine, and follow the same basic shelter-in-place procedures. Roll up the windows, close vents, and turn on the radio for further instructions.

What about children at school?

If your children are at school or with a care provider, do not attempt to get them. Doing so could put you and them in danger. They are safest at school until the emergency is over.

Why an above-ground room?

Unlike a tornado emergency, basements are not recommended shelter locations for chemical accidents. Most chemicals are heavier than air and will accumulate in low lying areas, like basements. So, an above-ground room is the safest spot during a chemical emergency. If you do not have an above-ground room, a ground-level room will work fine. If possible, select a room on the side of the house farthest from the source of the chemical.

What do the siren sounds mean?

We recommend you visit our webpage for audio examples of on-site sirens and the community warning siren. Below are descriptions:

On-site siren: The Tornado Warning, Muster Alert, Site or Building Evacuations sirens mean that Hemlock Semiconductor Operations employees and contractors need to take action by either sheltering-in-place or evacuating a building/area. Even though you may hear the on-site sirens, they are meant for those groups only.

Warning sirens in the community: These sirens are activated by Saginaw County 9-1-1 and are used to alert the community in the event of severe weather or a chemical incident.

How will I know when it is safe to go outside?

Depending on the nature and location of the emergency, notification could occur in one of several ways: radio, television, directly by emergency personnel, or via the Community Notification System (such as sirens or telephone alerts).

Should I call 9-1-1 for information?

Authorities request that you do not call 9-1-1 unless you have a medical emergency or need immediate assistance. Non-emergency calls to 9-1-1 will tie up phone lines and dispatch personnel, preventing them from addressing true emergencies. You can call the Information Line at 989.642.2800.

What media sources will have emergency information?

Tune into your local media outlets for additional emergency information.

What should I have in my emergency supply kit?

It is recommended that you have supplies assembled for all types of emergencies, including chemical accidents. Suggested items for chemical emergencies include: bottled water, towels and washcloths, plastic sheeting, duct tape, scissors (for cutting plastic), a radio and flashlight, extra batteries, and a first aid kit.

When are the siren alarms/emergency systems tested?

Alarm/System	Frequency	Schedule
Site Building Evacuation and Site Evacuation Siren, Muster Alarms and Tornado Alert	Biannually	First Wednesday of January and July at Noon
Saginaw County 9-1-1 Community Warning Sirens	Monthly	First Wednesday of the month*: • May-Sept at 7 pm • Oct-April at Noon

*Time affects when phone, text and/or e-mail notifications are made.

HSC SAFETY MINDSET

The employees at Hemlock Semiconductor Operations have a mindset of putting safety first and foremost, 24/7. It's a commitment to each other, our families and the communities in which we live and work. As a core value, safety is actively promoted and practiced by employees, contractors, customers and suppliers.

Our safety mindset includes:

- Management commitment to meeting the codes and requirements of Responsible Care®
- Implementation of behavior-based safety practices and a Zero Lost-Time Injury Focus
- Active contractor participation
- Community engagement, including Community Advisory Panels and close cooperation with emergency responders
- Transportation safety
- Process safety management
- Tight security

See www.hscpoly.com for details.

Great Facts Sources:

January: Architectural Great – www.abdow.org

February: Computing Great – www.britannica.com/biography/Larry-Page

March: Conserving Great – www.fws.gov/refuge/shiawassee/

April: Native Great – <https://project.geo.msu.edu/geogmich/paleo-indian.html>

May: Growing Great – www.legislature.mi.gov/documents/Publications/GettingToKnowMichigan.pdf

June: Inventing Great – <https://themichiganoutfitter.com/blogs/news/18369519-10-things-to-thank-michigan-for>

July: Manufacturing Great – www.michiganbusiness.org/why-michigan/major-employers

August: Recreating Great – www.Michigan.org

September: Forestry Great – www.legislature.mi.gov/documents/Publications/GettingToKnowMichigan.pdf

October: Educating Great – www.legislature.mi.gov/documents/Publications/GettingToKnowMichigan.pdf and www.bridgemi.com/talent-education/facts-you-might-not-know-about-michigans-15-public-universities

November: Technology Great – www.invent.org/inductees/donald-b-keck

December: Renewing Great – <https://gougeon.com/gougeon-history> and www.hscpoly.com/markets-technologies

QUICK SAFETY TIPS

What to Do in a Major Emergency

Please review the following important safety information from Hemlock Semiconductor Operations:

1 Emergency Notification

- If there is a community emergency due to weather or a chemical incident, Saginaw County 9-1-1 will activate its Community Notification System and sirens (sirens tested first Wednesday of each month).
- If you have registered your contact information on the Community Notification System, you will receive safety instructions via a phone call, text message or e-mail (depending on what numbers/e-mail addresses you registered in the system). You can register your contact information at www.saginawcounty911.com.

Note: You may hear other on-site testing sirens at noon on the first Wednesday of January and July.

2 Actions to Take

You should:

- Go indoors immediately.
- Stay calm.
- Close all windows and doors.
- Block drafts and stop ventilation fans.
- Listen to the local radio or TV.
- Periodically check the Information Line and our website for updates (see the phone number and web address listed above).

Do not:

- Do not pick up children from school (schools will handle emergencies) or elsewhere.
- Do not go outside; wait until told it is safe or the all-clear has been issued.
- Do not call emergency services unless you have a separate emergency.

All clear:

- The All-Clear communication will be delivered by Saginaw County 9-1-1.

3 Where to Get More Information

- Watch a local TV channel or listen to a local radio station.
- Follow the instructions you receive from emergency personnel.
- Use the Information Line, 989.642.2800, to get updated incident information.