

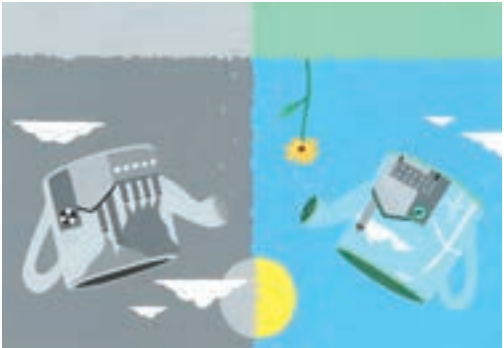
**Artist: Nevaeh Moore**  
Bullock Creek High School • 11th Grade  
**Title: Wonderful Trees**



**Artist: Stella Schultz**  
Marshall Greene Middle School • 7th Grade  
**Title: Needing Space**



**Artist: Kaylee Weiss**  
Heritage High School • 10th Grade  
**Title: Growing a Better World**



**Artist: Maev Crawford**  
Bullock Creek High School • 11th Grade  
**Title: Evenings in the Evergreens**



**Artist: Lily Hileman**  
Freeland High School • 9th Grade  
**Title: Plastic in the Oceans**



**Artist: Alberta Hughes**  
Carrollton Middle School • 7th Grade  
**Title: Making a Change**



**Artist: Alexis Acha**  
Carrollton Middle School • 7th Grade  
**Title: This is Our Future**



**Artist: Jaden Bates**  
Chesaning High School • 9th Grade  
**Title: We Are All Human**



**Artist: Shiloh Charboneau**  
Swan Valley Middle School • 7th Grade  
**Title: Wildlife Conservation**



## A Few Honorable Mentions



TAKING ACTION TO BUILD A BETTER WORLD  
**COMMUNITY CALENDAR 2022**

**HSC**<sup>®</sup>  
HEMLOCK  
SEMICONDUCTOR





**Artist:** Brenna Gilbert  
White Pine Middle School • 8th Grade  
**Title:** Smart City  
**Medium:** Colored Pencils, Watercolors, Sharpies



**Interpretation:** Our world is being destroyed by air pollution created by people and cities using fossil fuels instead of renewable energy. The solution shown in my artwork is a “smart city” that is powered by wind turbines and solar panels, thus reducing air pollution and improving our world.

COVER  
ART

**Artist:** Amelia Loshaw  
Saginaw Arts & Sciences Academy • 10th Grade  
**Title:** Himalayan Bamboo  
**Medium:** Colored Pencils, Markers



**Interpretation:** Deforestation is happening worldwide, affecting many habitats and animals, but communities can be a part of the solution by planting trees. My artwork (front cover) shows how a community is protecting red pandas, a critically endangered animal, by planting bamboo saplings – a critical food and shelter source. I am concerned about the extinction of this and other species, but people can unite to preserve and protect.

# TAKING ACTION TO BUILD A BETTER WORLD

Hemlock Semiconductor Operations is proud to sponsor the 12th Annual Community Calendar Art Contest. Recent pandemic challenges have amplified many world issues, from disease, hunger and healthcare disparities to discrimination, educational gaps and climate change. Society has also learned, however, how collaboration can bring innovative solutions to light – from vaccines and telemedicine to virtual learning and communications technologies.

To honor the spirit of collaboration and hope for a better future, we invited high school students in the Saginaw, Bay City, Midland and Gratiot school districts to submit creative artwork that supports the 2022 calendar theme: ***Taking Action To Build a Better World.*** Students were asked to draw any creative, innovative solution to a prominent world issue that concerns them the most.

The contest generated many inspiring entries. Judges looked for the right balance of quality, color, creativity, subject matter and alignment to the theme. The result is 14 winning works of art featured throughout the calendar, along with artwork interpretations. In addition, we have included examples of honorable mentions on the back cover.

Not only does this collection demonstrate the promise of a better tomorrow, but so do the quotes displayed on every calendar month from members of our Community Action Panel, which includes leaders throughout the Great Lakes Bay Region. Plus, when you flip to the back of the calendar, you will find important **Community Safety Information and Quick Safety Tips** that can help you and your family stay safe in a potential emergency.

Please hang this calendar on your wall to reinforce the importance of collaboration and taking action to build a better world.

Many thanks to all of the students who submitted entries, and to the schools, teachers and parents who helped the students in this endeavor. Special congratulations go to the winners for their wonderful illustrations of “innovative solutions” and to Nouvel Catholic Central High School for earning the “Best of the Best Award.”





**Artist:** Elizabeth Hedlund  
Freeland High School • 11th Grade

**Title:** Together, We Are One

**Medium:** Digital

**Interpretation:** My artwork highlights the issue of a divided world and hopefully helps people think more kindly of each other, and to self-reflect. This issue is personally important, because throughout 2020, I saw many groups subjected to massive amounts of hate and disrespect. I experienced this firsthand and knew something had to change – and fast. My solution is to show kindness (heart), even when you do not agree with someone. Coming together through kindness, compassion and respect can unite us all.

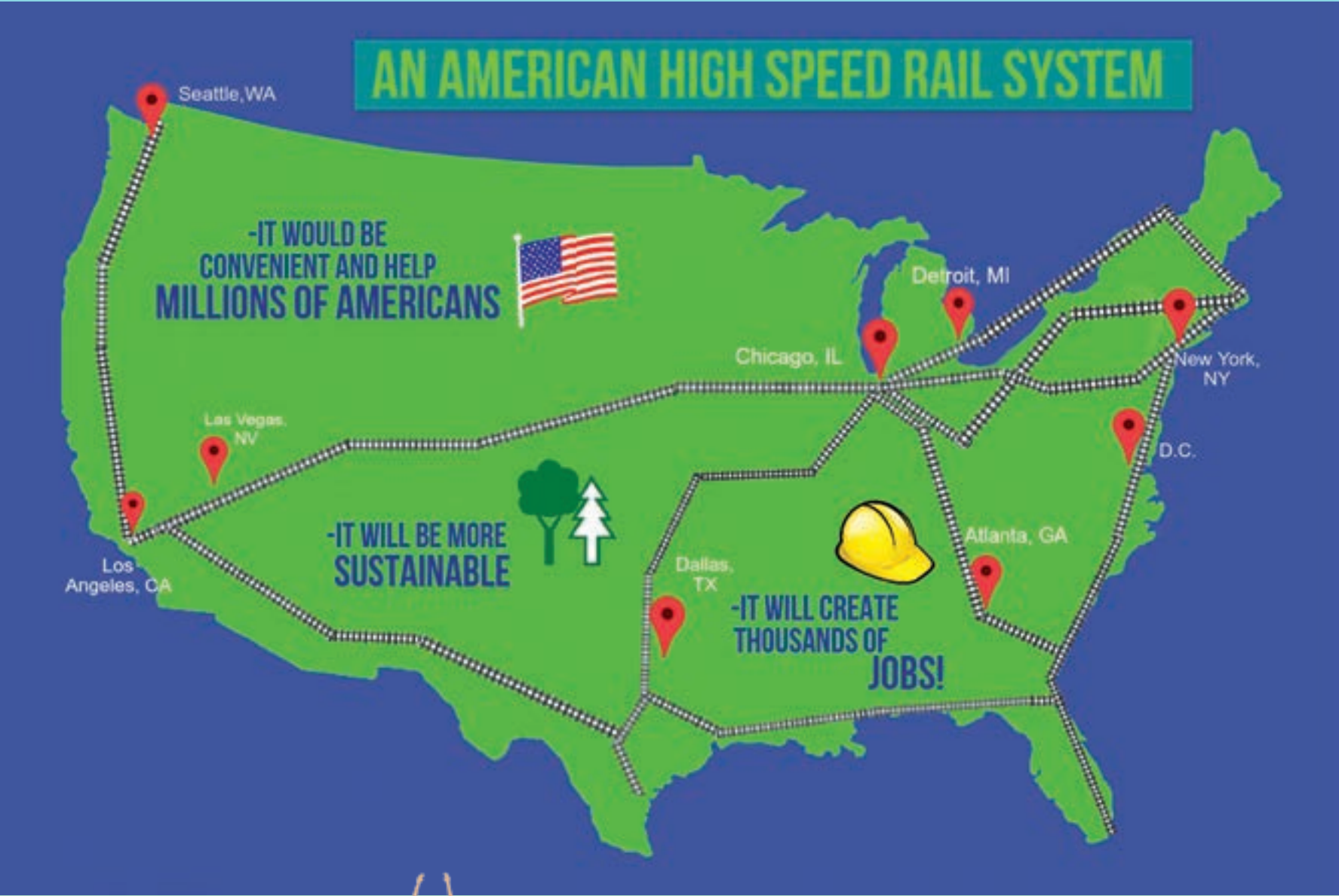
# JANUARY 2022

DECEMBER 2021							FEBRUARY 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4			1	2	3	4	5
5	6	7	8	9	10	11	6	7	8	9	10	11	12
12	13	14	15	16	17	18	13	14	15	16	17	18	19
19	20	21	22	23	24	25	20	21	22	23	24	25	26
26	27	28	29	30	31		27	28					

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
“Providing various forms of education to meet all students’ needs is critical to the future. Whether learning in person and/or virtually, every student deserves the opportunities and experiences to find and pursue their passion – whether it is a skilled trade, military career or college degree. Together, we must set the example of hope, flexibility, positivity and perseverance that inspires kids to follow their dreams.” – Christine Luplow, Swan Valley High School Guidance Counselor						1  New Year’s Day Kwanzaa Ends National Blood Donor Month National Mentoring Month
2	3	4	5  On-Site Testing and Community Sirens*	6	7	8
9	10	11  National Human Trafficking Awareness Day	12	13	14	15
16	17  Martin Luther King Jr. Day	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

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





**Artist:** Elijah Folts  
Freeland High School • 12th Grade

**Title:** High-Speed Rail System

**Medium:** Graphic/Digital Art

**Interpretation:** We are entering the future, so big changes and improvements to the U.S. infrastructure are important because they can help tackle two key issues: unemployment and the environment. One solution is to create a high-speed rail system across America. This would create thousands of jobs to build and operate, and would produce less carbon than airplanes and cars. High-speed rail also provides a very convenient mode of transportation, moving people between major cities within hours.

# FEBRUARY 2022

JANUARY 2022							MARCH 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
2	3	4	5	6	7	8			1	2	3	4	5
9	10	11	12	13	14	15		6	7	8	9	10	11
16	17	18	19	20	21	22		13	14	15	16	17	18
23	24	25	26	27	28	29		20	21	22	23	24	25
30	31							27	28	29	30	31	

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 National Freedom Day Black History Month American Heart Month Chinese New Year	2 Groundhog Day Community Sirens*	3	4 National Wear Red Day	5
6	7	8	9	10	11 National Inventors' Day	12 Lincoln's Birthday
13	14 Valentine's Day	15 Susan B. Anthony Day	16	17	18	19
20	21 Presidents' Day Washington's Birthday	22	23	24	25	26
27	28	"Engineering and skilled trades are critical to manufacturing products that solve world problems – from electronics to solar panels. Hemlock Semiconductor is focused on innovative ways to reduce environmental impact while getting customers the products they need. For example, over the past two years, we upgraded over 15,000 light fixtures across the site to LED bulbs and implemented automation, lowering our electricity usage by over 7,350,000 kwh per year and carbon footprint by 4,410 metric tons -- the equivalent of not burning half a million gallons of gasoline each year!" – Mike Grillo, Plant & Engineering Services Manager, Hemlock Semiconductor				

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





**Artist:** Autumn Skowronski  
Nouvel Catholic Central High School • 12th Grade

**Title:** Garden of Hope

**Medium:** Colored Pencils, Pastels



**Interpretation:** Pollination is a growing issue globally due to the endangerment and loss of habitat of pollinating birds, butterflies and bees. Lack of pollination affects our food supply, and without food, humans and other life won't survive. My solution, as shown in my artwork, is to plant fields of wildflowers to bring back habitat and food for the pollinators. This will produce food, happiness and togetherness all at once, building a better world.

# MARCH 2022

FEBRUARY 2022							APRIL 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28						24	25	26	27	28	29	30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1  Fat Tuesday Red Cross Month Women's History Month National Colon Cancer Awareness Month	2  Ash Wednesday Read Across America Day 	3  World Wildlife Day	4  Employee Appreciation Day	5
6	7	8  International Women's Day	9	10	11	12
13  Daylight Savings Time Begins	14	15	16	17  St. Patrick's Day	18	19
20  Spring Begins	21  National Agriculture Week	22  World Water Day	23	24	25	26
27	28	29	30  National Doctor's Day	31  "As we make education more accessible, great changes are ahead. In the next decade, education will have a permanent mobility to it, enabling students to access the instructors and lessons from anywhere. Students in K-12 will be taught a more practical application of skills and knowledge in real-world situations, with companies providing experiential opportunities early on. 'Grade' structures may replace 'career' structures, and school buildings will evolve to encourage collaboration and technology." — Dr. Ramont Roberts, Superintendent, Saginaw Public Schools		

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





**Artist:** Leah Graham  
Anna M. Thurston Middle School • 6th Grade

**Title:** Animals Help Solve Worldwide Depression

**Medium:** Colored Pencils, Sharpies



**Interpretation:** My artwork shows how animals can help solve depression by always being by your side when you are sad. Simply walking a dog can get the person’s mind off something bad or sad. Depression is a growing global issue, and tackling it is important to me because one side of my family really struggles with it. Having pets can make you feel better and happier.

# APRIL 2022

MARCH 2022							MAY 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5	1	2	3	4	5	6	7
6	7	8	9	10	11	12	8	9	10	11	12	13	14
13	14	15	16	17	18	19	15	16	17	18	19	20	21
20	21	22	23	24	25	26	22	23	24	25	26	27	28
27	28	29	30	31			29	30	31				

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
“Yeo & Yeo’s founder, Lloyd Yeo, said, “You need to give your time, your talents, and your treasure back to your community.” Whether you are an Elder of a church (time), treasurer of a Kiwanis club (talent), or donating to community programs and charities (treasure), it feels good to give back and get involved. In 2018, to give employees even more opportunities to help others, we created the Yeo & Yeo Foundation. Employees recommend what they wish the Foundation to support in our communities, and also volunteer for many activities.” –Steven Witt, Principal – YEO & YEO PC					1  Ramadan Begins April Fool's Day National Autism Awareness Month	2
3	4	5	6  Community Sirens*	7	8	9
10  Palm Sunday National Sibling Day	11	12	13	14	15  Good Friday Passover Begins Tax Day	16
17  Easter National Volunteer Week	18	19	20	21	22  Earth Day	23  Passover Ends
24	25	26	27  Administrative Professionals' Day	28	29  Arbor Day	30  Ramadan Ends

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





**Artist:** Ryleigh Monville  
Bullock Creek High School • 9th Grade

**Title:** Go the Extra Mile

**Medium:** iPastels on iPad



**Interpretation:** My artwork highlights the global issue of air pollution, especially the toll our cars’ emissions take on the air. As a fellow inhabitant of Earth, our home, it is our job to take responsibility and work toward change to keep it clean and healthy. Air pollution is a direct result of our actions. By limiting the use of cars by biking or carpooling, for example, we can cut down on harmful gasses emitted by car exhaust and take a step toward cleaner air.

# MAY 2022

APRIL 2022							JUNE 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
3	4	5	6	7	8	9	5	6	7	8	9	10	11
10	11	12	13	14	15	16	12	13	14	15	16	17	18
17	18	19	20	21	22	23	19	20	21	22	23	24	25
24	25	26	27	28	29	30	26	27	28	29	30		

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1  May Day National Bike Month Mental Health Awareness Month	2	3  National Teacher Appreciation Day	4  Community Sirens*	5  Cinco de Mayo	6  National Nurses' Day	7
8  Mother's Day National Women's Health Week	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25  National Missing Children's Day	26	27	28  Armed Forces Day National Safe Boating Week
29	30  Memorial Day	31  "Don't let society stop you from making changes for the better! Be true to yourself and take on the big challenges in the world. One example of innovative change in Richland Township is the solar LED crosswalk sign at St. Peter's Lutheran School. It not only reduces our carbon footprint, but also makes a busy street safer for kids and drivers!"  — Annamarie Reno, Richland Township Manager				

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






Artist: RayOnna Williams

Heritage High School • 10th Grade

Title: Greenery


Medium: Watercolors



**Interpretation:** It is important to solve the global issue of deforestation for a few reasons. First, it is awful to think about the animals who lived in the forest losing their home and get kicked out. Second, we need trees to keep our air clean. The solution shown here is to plant trees (or seeds) when the trees are cut down. This will lead to cleaner air and forests that can hold and protect more animals.

# JUNE 2022

MAY 2022							JULY 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7						1	2
8	9	10	11	12	13	14		3	4	5	6	7	8
15	16	17	18	19	20	21		10	11	12	13	14	15
22	23	24	25	26	27	28		17	18	19	20	21	22
29	30	31						24	25	26	27	28	29
								31					30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div>“Sometimes, world problems seem enormous, but the solutions can be surprisingly simple. For example, since we started using sustainable practices in our greenhouse operation, we have applied the ethics of permaculture design – earth care, people care and fair share (sharing surplus with the community) – wherever possible. This can be as simple as planting a row of apple trees instead of a privacy fence, which provides surplus food and habitat in addition to privacy.” – John Dusek, Co-Owner, Faber’s Greenhouse &amp; Floral</div>			<div>1</div> <div>National Safety Month LGBTQ Pride Month </div>	<div>2</div>	<div>3</div>	<div>4</div>
<div>5</div> <div>National Cancer Survivor’s Day</div>	<div>6</div>	<div>7</div>	<div>8</div>	<div>9</div>	<div>10</div>	<div>11</div>
<div>12</div>	<div>13</div> <div>National Men’s Health Week</div>	<div>14</div> <div>Flag Day</div>	<div>15</div>	<div>16</div>	<div>17</div>	<div>18</div>
<div>19</div> <div>Father’s Day Juneteenth Freedom Day</div>	<div>20</div>	<div>21</div> <div>Summer Begins</div>	<div>22</div>	<div>23</div>	<div>24</div>	<div>25</div>
<div>26</div>	<div>27</div> <div>National PTSD Awareness Day</div>	<div>28</div>	<div>29</div>	<div>30</div>		

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





**Artist:** Alec Lipinski  
Nouvel Catholic Central High School • 11th Grade

**Title:** Restoring the Ocean

**Medium:** Colored Pencils, Chalk Pastels



**Interpretation:** We are experiencing a growing issue of plastic in our oceans. What we see locally is only a glimpse of what is floating in the ocean, and I have witnessed this personally. One solution (reflected in my artwork) is to assign groups of boats with surface nets that collect trash floating on the surface. This can restore wildlife habitats and save millions of animals.

# JULY 2022

JUNE 2022							AUGUST 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4		1	2	3	4	5	6
5	6	7	8	9	10	11	7	8	9	10	11	12	13
12	13	14	15	16	17	18	14	15	16	17	18	19	20
19	20	21	22	23	24	25	21	22	23	24	25	26	27
26	27	28	29	30			28	29	30	31			

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
“Talented scientists and engineers at many companies are developing advanced healthcare technologies to save lives, improve quality of life and tackle major challenges like pandemics. Creative local programs like the Hemlock STEM Center, SVSU Camp Infinity and GLBR STEM Initiative will help motivate and equip future generations to do the same – but even better. We haven’t seen anything yet.” – Jessica L. Snyder, Hemlock HIMS Site Leader, DuPont					1  Canada Day Parks and Recreation Month UV Safety Month	2
3	4  Independence Day	5	6  On-Site Testing and Community Sirens*	7  World Chocolate Day	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24  Parents’ Day	25	26	27	28	29	30
31		National Aunt and Uncle Day				Friendship Day

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





**Artist:**  
Evangeline Bryce  
Carrollton Middle School • 6th Grade

**Title:**  
[Mis]Information

**Medium:**  
Markers

**Interpretation:**  
There are many problems in the world today, but what most have in common is the misinformation that makes progress difficult. Many groups, for whatever reason, spread false information as if it were factual. It is like the telephone game – the truth gets so bent out of shape that many people don’t know where the true problem lies.

Spreading the truth instead of misinformation could lead to more funding and awareness for issues like plastic pollution, hunger, domestic violence, disease, healthcare access, poverty, minority inequalities and more.

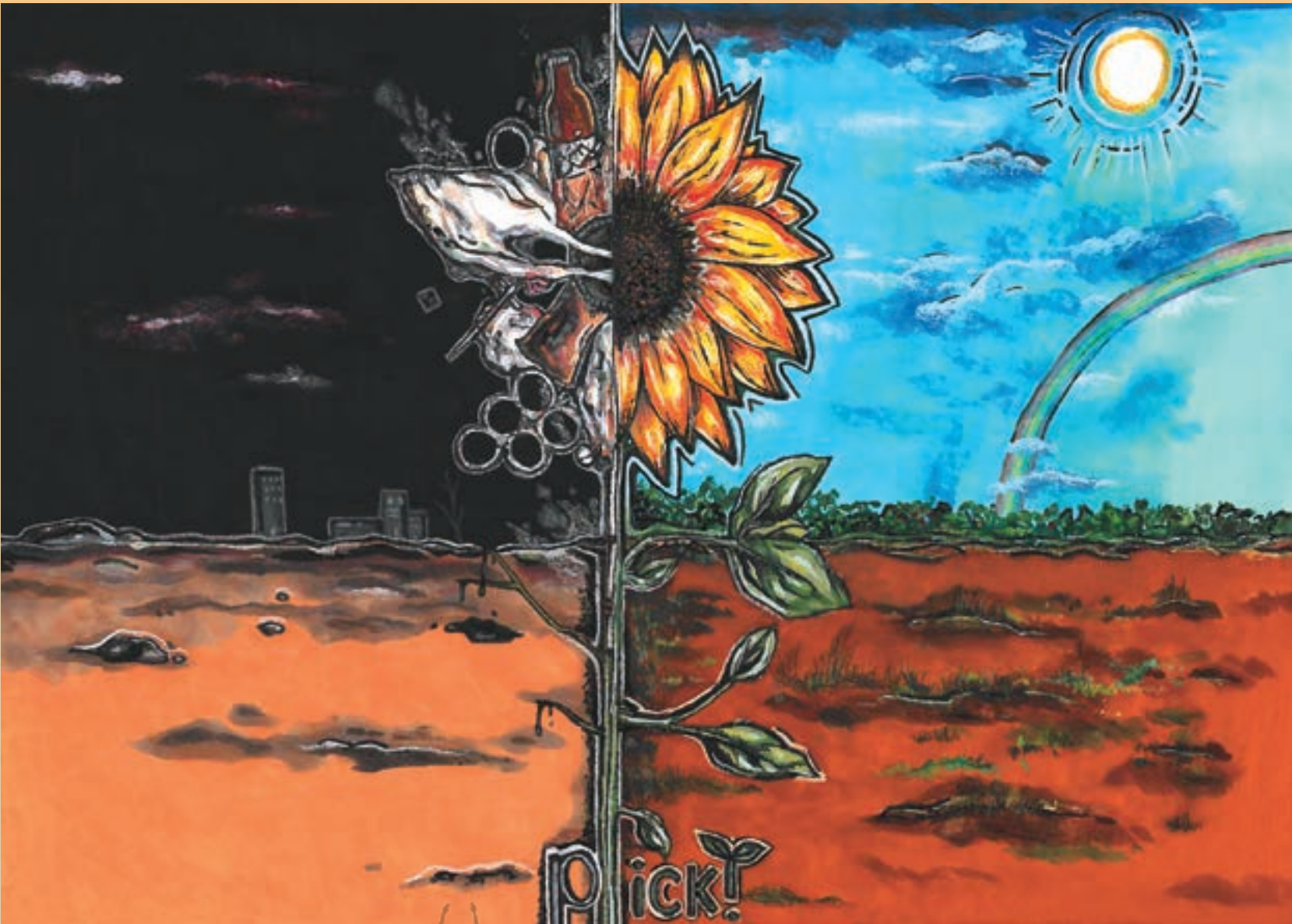
# AUGUST 2022

JULY 2022							SEPTEMBER 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
3	4	5	6	7	8	9	1	2	3	4	5	6	7
10	11	12	13	14	15	16	17	18	19	20	21	22	23
17	18	19	20	21	22	23	24	25	26	27	28	29	30
24	25	26	27	28	29	30	31						

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 National Immunization Awareness Month Children's Eye Health and Safety Month	2	3 Community Sirens*	4	5	6
7	8	9 National Book Lovers' Day	10	11	12	13 International Left-Handers' Day
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 "Sustainability is vital to the future of food and farming. That's why companies like Corteva are working across the agricultural value chain to ensure food is safe, nutritious and plentiful. Through innovation and collaboration, many exciting advances – from "smart" farms to drone pollination – are already shaping a more sustainable future." – Sarah Brooks, Operations and Site Communications Manager, Corteva Agriscience			

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





**Artist:** August Clark  
Saginaw Arts & Sciences Academy • 8th Grade

**Title:** Pick!

**Medium:** Colored Pencils, Markers



**Interpretation:** My artwork compares the future of hurting Earth versus helping it. It visually asks people to Pick! Pick a side, pick up trash, pick the world you want to live in. People are the solution and if we listen to our hearts and change our ways, positive change can happen. This is important because if we don't do something soon, the ecosystem will collapse and pollution will be very prevalent in our daily lives. If we choose to listen to nature, we can make a difference.

# SEPTEMBER 2022

AUGUST 2022							OCTOBER 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6							1
7	8	9	10	11	12	13	2	3	4	5	6	7	8
14	15	16	17	18	19	20	9	10	11	12	13	14	15
21	22	23	24	25	26	27	16	17	18	19	20	21	22
28	29	30	31				23	24	25	26	27	28	29
							30	31					

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
“Making products in a safe and environmentally responsible manner is critical to building a better world. It’s why Hemlock Semiconductor strives for zero waste and emissions, and partners with others for innovative solutions. One example is a peak power management program that lowers our demand on the electric grid by running more of our assets in off-peak hours. Another example is an upcycling program that finds creative ways to repurpose our furniture, saving over 74,000 pounds of furniture from the landfill. Such initiatives help drive a healthier, more sustainable future.” – Steven Holtz, Sustainability Leader, Hemlock Semiconductor				1  Prostate Cancer Awareness Month National Suicide Prevention Month	2	3
4	5  Labor Day	6	7  Community Sirens*	8	9	10
11  Patriot Day National Grandparents’ Day	12	13	14	15  National Hispanic Heritage Month (Sept. 15-Oct. 15)	16	17  Constitution Day
18	19	20	21  International Day of Peace	22  Autumn Begins	23  Native American Day	24
25  Rosh Hashanah Begins	26	27  Rosh Hashanah Ends	28  National Good Neighbor Day	29	30	

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





**Artist:**  
Lisa Hernandez  
Garber High School • 10th Grade

**Title:**  
Putting Out Mother Nature's Fire

**Medium:**  
Digital

**Interpretation:**  
This piece of art draws attention to the issue of global warming by symbolically showing Mother Nature on fire, with black tears representing the impact of fossil fuels (oil) on the environment. It also shows how wind turbines can slow down and stop her destruction by reducing fossil fuel emissions and thus reducing air pollution.  
  
Solutions like this are important because I have noticed how the weather around the world is changing in negative ways in recent years.

# OCTOBER 2022

SEPTEMBER 2022							NOVEMBER 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3			1	2	3	4	5
4	5	6	7	8	9	10	6	7	8	9	10	11	12
11	12	13	14	15	16	17	13	14	15	16	17	18	19
18	19	20	21	22	23	24	20	21	22	23	24	25	26
25	26	27	28	29	30		27	28	29	30			

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>“Recognizing that not everyone can afford working smoke detectors in their residence, our fire fighters came together with a solution that provides a safer home environment for all. Each of us agreed to donate an hour of pay each pay period to help fund smoke detectors, which we then give away to residences in need. When you help others, you show you care which helps create a stronger, healthier community.”</p> <p>– Casey Cichowski, Firefighter, Thomas Township Fire Department</p>						<div>1</div> <div>National Breast Cancer Awareness Month National Dental Hygiene Month Domestic Violence Awareness Month</div>
<div>2</div>	<div>3</div> <div>Child Health Day</div>	<div>4</div> <div>Yom Kippur Begins</div>	<div>5</div> <div>Yom Kippur Ends</div> <div>Community Sirens*</div>	<div>6</div>	<div>7</div>	<div>8</div>
<div>9</div> <div>National Fire Prevention Week</div>	<div>10</div> <div>Columbus Day Canada Thanksgiving</div>	<div>11</div>	<div>12</div>	<div>13</div>	<div>14</div>	<div>15</div> <div>Sweetest Day White Cane Safety Day</div>
<div>16</div> <div>Boss's Day</div>	<div>17</div>	<div>18</div>	<div>19</div>	<div>20</div>	<div>21</div>	<div>22</div>
<div>23</div>	<div>24</div> <div>United Nations Day</div>	<div>25</div>	<div>26</div>	<div>27</div>	<div>28</div>	<div>29</div>
<div>30</div>	<div>31</div> <div>Halloween</div>					

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





**Artist:** Lucia Mills  
Bay City Academy • 10th Grade  
**Title:** Feeding the World Together  
**Medium:** Watercolors, Pencils, Ink



**Interpretation:** Global hunger is a major issue that we must all try to solve. Many people struggle to feed their families and are never sure where their next meal will come from, and my heart aches for them. With everyone committed to help, we can turn uncertainty into confidence that healthy food will be available, and the hungry will be fed. This painting represents people from all sides of the world providing food, and how working together to coordinate and prioritize this issue can help achieve success.

# NOVEMBER 2022

OCTOBER 2022							DECEMBER 2022						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
2	3	4	5	6	7	8						1	2
9	10	11	12	13	14	15		4	5	6	7	8	9
16	17	18	19	20	21	22		11	12	13	14	15	16
23	24	25	26	27	28	29		18	19	20	21	22	23
30	31							25	26	27	28	29	30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1  National Native American Heritage Month American Diabetes Month	2  Community Sirens*	3	4	5
6  Daylight Saving Time Ends	7	8  Election Day	9  World Freedom Day	10	11  Veterans Day	12
13	14	15  America Recycles Day	16	17	18	19
20	21	22	23	24  Thanksgiving Day	25  Black Friday	26
27  Advent Begins	28  Cyber Monday	29	30	“Hunger is a global problem that we experience locally too. To help those in need, Hidden Harvest partners with hundreds of businesses to get healthy, surplus food to area soup kitchens and shelters. Our model supports a circular economy where creative solutions are applied to prevent waste and keep resources in use. With this kind of collaboration, everyone wins!” – Samantha McKenzie, President/CEO, Hidden Harvest		

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





**Artist:** Kennedi Kickbusch  
Midland High School • 9th Grade

**Title:** Donate to Shelters

**Medium:** Colored Pencils



**Interpretation:** There are many people who do not have enough money to pay for needs like clothing, food and shelter. This is an issue in our country and around the world. A great solution is to get more people to donate to shelters, whether it is time, money, clothing or something else. My family volunteers at shelters a lot; so can yours!

# DECEMBER 2022

NOVEMBER 2022							JANUARY 2023						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5	1	2	3	4	5	6	7
6	7	8	9	10	11	12	8	9	10	11	12	13	14
13	14	15	16	17	18	19	15	16	17	18	19	20	21
20	21	22	23	24	25	26	22	23	24	25	26	27	28
27	28	29	30				29	30	31				

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>“Improving educational opportunities for everyone will help empower the next generation of learners and leaders to tackle challenges that confront our region and beyond. One innovative approach at SVSU involves a five-year initiative to reduce the cost of textbooks in general education by incorporating online open education resources, such as interactive texts and assignments, in our courses.”</p> <p>– John Kaczynski, Director of Government Affairs, Saginaw Valley State University</p>				1  Rosa Parks Day National Identity Theft Prevention Month Universal Human Rights Month	2	3  National Disability Day
4	5	6	7  Pearl Harbor Remembrance Day 	8	9	10  Global Human Rights Day
11	12	13	14	15	16	17  National Maple Syrup Day
18  Hanukkah Begins	19	20	21  Winter Begins	22	23	24  Christmas Eve Advent Ends
25  Christmas Day	26  Hanukkah Ends Kwanzaa Begins Canada Boxing Day	27	28	29	30	31  New Year's Eve
						<b>January 1, 2023</b> New Year's Day Kwanzaa Ends

\*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](http://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 Sirens	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*: <ul style="list-style-type: none"><li>May-September at 7 p.m.</li><li>October-April at Noon</li></ul>

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

Our 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](http://www.hscpoly.com) for details.



Responsible Care® is a trademark of the American Chemistry Council

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](http://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.

