



Map Location	2015 Earth Day Display Descriptions
1	<p><i>Plant Disease & Causal Agents (MDARD Pesticide & Plant Pest Management Division)</i> Display of plants showing symptoms of diseases caused by fungi, bacteria and viruses, including cultures of fungi and bacteria in Petri dishes. Students will learn that like other living things, plants also get sick and need protection for better growth and high yields for human and animal food.</p>
2	<p><i>Michigan Pest Management Association (Rose Pest Solutions)</i> This display will feature pictures of insects, rodents and equipment used in the pest control industry. There will also be live Madagascar hissing roaches and coloring books!</p>
3	<p><i>Bug Alley (MDARD)</i> This display will feature cases of preserved insects, live insects, computers with monitors showing images of insects, insect survey traps and insect information.</p>
4	<p><i>Education on Trees (Michigan Nursery and Landscape Association)</i> This display will feature information about trees and coloring sheets.</p>
5	<p><i>Why Bugs? (Ingham Conservation District)</i> The display will include an invertebrate collection and “hands on” trays of live invertebrates for visitors to observe. The take home point will be that “bugs” can tell us a lot about the health of our rivers and streams. Determining which rivers may be at risk helps bring more resources to that area to try and improve the quality and health of the environment.</p>
6	<p><i>Great Lakes Shorelands (DEQ Water Resources Division, Great Lakes Shorelands Unit)</i> The exhibit will cover various aspects of the unit including sand dunes, eroding shorelines, and shipwrecks. Handouts will include a Great Lakes Catcher with trivia information on the Great Lakes, and information on shipwrecks. And there will be a live antlion display! Take home message is Michigan’s Great Lake shorelines are active, dynamic places worth visiting and protecting.</p>
7	<p><i>Educational Honey Bee and Pollination Exhibit (Center of Michigan Beekeepers)</i> We plan to display a live honey bee colony with a marked queen safely enclosed in an observation hive. There will be a picture display showing honey bees depicting the important jobs they do, and equipment needed by the beekeeper to manage them. We also will provide teaching kits and children’s literature from the National Honey Board. We will hand out press on honey bee tattoos for children.</p>
8	<p><i>Where’s My Habitat (DNR Wildlife Division)</i> This display will feature different Michigan habitats and student will be able to place different species in the correct habitat. There will also be artifacts of some of these species so that the students can experience what they feel like in real life.</p>
9	<p><i>Michigan Mosquito Control Association</i> This display will demonstrate the life cycle of the mosquito...larvae, pupae, and adults. There will also be other live aquatic insects for the students to learn about. Hands-on and interactive displays include the Mosquito Habitat display, the Compound Eye display, and students can take pictures of themselves as adult mosquito, larvae or pupae. And don’t forget about the large inflatable mosquito. Students will learn to help control mosquitos by eliminating unnecessary water.</p>
10	<p><i>Potter Park Zoo</i> This display will have live animals and artifacts such as skulls and pelts. Students will be able to see the animals up close and the docents will be there to answer questions about the animals’ natural history and conservation issues.</p>



11	<p>Water Conservation - The Gallon Challenge (DEQ Office of Environmental Assistance) Students will learn the basics of water conservation, including the overall importance and ways to help conserve! Hands-on activity for students of all ages. Bucket bean bag toss where each bag will represent a gallon of water. Students will begin with a specific number of bags then answer simple questions like “Do you leave the water running when you brush your teeth?” Those who answer yes will toss their bags into the bucket, representing wasted water. The kids with the most bags left will earn a sticker. A handout on ways to conserve water at home will be given to all students.</p>
12	<p>Remediation 4 Redevelopment (DEQ Remediation and Redevelopment Division) Join the DEQ Cleanup Crew and play Frisbee R 4 R Challenge! Take a contaminated site through the cleanup process, so it can be redeveloped into a new home, business or recreation area -- like a playground! Or, picture yourself as a member of the DEQ’s cleanup crew in a hazardous materials cleanup suit – photos encouraged! Learn how the DEQ Remediation and Redevelopment Division makes Michigan a safer place to live, work and play through R 4 R.</p>
13	<p>Michigan Gyotaku Fish Rubbing (Library of Michigan) Students will have the ability to make a fish rubbing of one of several varieties of fish native to Michigan. These impressions are a classic form of book illustration historically done on real fish. Books about Michigan flora and fauna will also be on display.</p>
14	<p>Corn is Cool (Michigan Corn) Students can spin our question wheel to learn about corn and win a prize. We will have a variety of coloring pages, stickers, tattoos, and even our corn-powered superhero, Captain Cornelius, at our booth. We will also have some videos playing that will teach kids about agriculture and the environment.</p>
15	<p>Michigan Recycled Products (DEQ Sustainable Materials Management Unit) A table of products made in the State of Michigan and a video display reflecting SMMU functions.</p>
16	<p>Floodplain Fun (DEQ Water Resources Division – Flood Hazard Unit) We have a flood plain model that shows the importance of floodplains and wetlands and the role they play. Students are able to help pour water into the model to see how water levels rise with and without wetlands.</p>
17	<p>BWL – Keeping Your Drinking Water Clean (Lansing Board of Water & Light) The display will be a visual demonstration of the hydrologic cycle showing the vulnerability of our water supply. This exhibit will show the connection between surface contamination and how it can impact the aquifer underground. Students will learn can be done to protect the drinking water.</p>
18	<p>Soil: Nature’s Water Filter (Michigan State University Extension 4-H) This is a hands-on demonstration that will show students how contaminated (colored) water flows through the soil and how contaminants are filtered out. Students will be able to filter water through sand and sand and soil, make predictions and see results. Implications: Soli filters our ground water, as well as how sand filters can be used throughout the world for clean drinking water.</p>
19	<p>Learn About Trees and Wildfire Prevention with the DNR! (DNR Forestry Resources Division) Talk about the importance of trees to the health and well-being of Michigan’s residents and environment at the Urban and Community Forestry table (invasive species, tree planting, etc...). This will include a model maple tree that was made with replica Asian longhorned beetles, frass, exit holes and other signs to look out for. It’s very eye-catching. We’ll also have tree cross-sections, real bugs mounted in resin and other forestry tools. Using Smokey Bear giveaways and fire photos, we will explain the importance of fire prevention and safety. Smokey Bear will also be available to meet and greet kids throughout the day.</p>



20	<p>MPSC: Where Does Energy Come From? (Michigan Public Service Commission) We will have an interactive display board about energy. We will also have a paper folding project with fun facts and energy related jokes.</p>
21	<p>Handwashing Safety (MDARD Food and Dairy Division) The handwashing display is interactive and provides a hands-on demonstration of the importance of proper handwashing by using glo-germ powder and a blacklight. Visual aids are also used, as well as a take-away (ie, bookmark, coloring sheet, etc.) which includes handwashing tips and guidance. Staff will discuss what constitutes “proper” handwashing and explain the hands-on demonstration.</p>
22	<p>Earth Day Photo Booth (DEQ, DNR, MDARD) We will be taking pictures after the poster contest and throughout the day for exhibits and groups. Also students can take their photo in front of the Earth Day sign take pictures with their own cameras and staff will also take photos and e-mail them to the groups.</p>
23	<p>Go Wild with Fenner Nature Center Our display will incorporate hands-on activities, animal artifacts, and live animals to expose students to native Michigan wildlife. We will also be selling Earth Day Poster Contest Greeting Cards at our table.</p>
24	<p>It's Your Planet, Love It! (Girl Scouts Heart of Michigan) This activity uses triangles of paper cut from magazines to create beads that can be used to make any items the children desire – jewelry, lanyards, etc. Their beads are a recycled creation and can symbolize to the children all the things they can do to save energy and be innovative in upcycling waste. We will talk to them about the importance of recycling, and how they can make new uses for old items to save important resources. We will also be discussing the importance of outdoor experiences and how they can build an appreciation for the natural world, which can lead to a lifetime of environmental stewardship. We will be using our triangles of magazines, toothpicks, and glue to make the beads. We will also be providing printed instruction for teachers and parents so that they can replicate and continue this project with their children.</p>
25	<p>What Lives in Michigan's Wetlands, Lakes and Streams? (DEQ Wetlands, Lakes and Streams Program) Exhibit of wetland/lakes/streams information, live amphibians and reptiles on display in many aquariums, live animal handling demonstrations, some feeding of frogs/snakes/turtles, photos of other animals, temporary tattoos, etc.</p>
26	<p>Radon (DEQ Radon Program) Students will have the opportunity to learn about radon through a hands-on Indoor Air Quality Model House. They can get coloring books, pencils, and other literature about radon.</p>
27	<p>The AIR you breathe (DEQ Air Quality Division) A multi-display exhibit: <u>MIair and AQI Information:</u> What's your AQI IQ? General information about air quality. Learn how to use the internet to view current air monitoring data, get Air Quality Index (AQI) info where you live, and more. <i>(AQI information, computer ppt show, stickers, and material)</i> <u>Voluntary Actions Help Clean the Air:</u> Simple actions, such as keeping your tires correctly inflated, save you money and keep the air cleaners. Find out what you can do to clean the air. <i>(hand-crank tire comparison activity)</i> <u>Trash Burning Barrel:</u> Do you know the chemicals released when people burn trash? Pamphlets encourage better choices for waste disposal. <i>(Burn barrel with posters and information)</i> <u>Asthma Initiative of Michigan:</u> Take a deep breath. Did you know that more than 1 in 11 school kids have asthma? Take the asthma empathy test and find out more. <i>(Staff directed hands-on activity)</i> <u>Clean School Bus USA and Idle Reduction:</u> Michigan school buses are running cleaner these days due to added emission controls and cleaner fuels. Is your school bus driving as "clean" as it can? Do bus, car and delivery vehicle drivers remember to turn engines off while waiting? <i>(display and activity sheets)</i></p>



28	<p>CATA Clean Commute Options</p> <p>The exhibit features a large spinning wheel which features a variety of topics related to air quality. Students will spin and be asked a question based on the resulting topic. Small prizes like stickers and buttons will be given out once the question is answered.</p>
29	<p>Dr. Dirt (DNR Marketing & Outreach Division)</p> <p>Encouraging kids to get outdoors. Putting tattoos on kids.</p>
30	<p>Twist on Agriculture (MDARD Diversity Workgroup)</p> <p>The Board Game of Twister will be the foundation for questions asked to students about careers and facts about Agriculture in Michigan.</p>
31	<p>Tower Garden (Juice Plus)</p> <p>Tower Garden is state-of-the-art, compact (30" diameter), vertical aeroponic growing system that allows almost anyone, anywhere to grow their own fresh fruits and vegetables at home. Tower Garden is efficient, eco-friendly and soil free (uses less than 10% of water and land required by traditional gardens), grows produce in about half the time, self-watering, eliminates the need to ship and store produce and has a low carbon foot print. Students will see the Tower Garden with growing plants and will learn about growing their own food organically in an environmentally friendly way. A game wheel will allow students to test their knowledge and learn by answering questions about fruits and vegetables, conservation, recycling and more.</p>
32	<p>Take the Fishing Pledge! (DNR Fisheries Division)</p> <p>Several fish mounts will be on display and we will talk to the students about fishing – how much fun it is, how great it is to get outdoors, and how lucky we are in Michigan to have all of our water resources. Each student will receive a “fish headband” of a trout that they can color or take home to color at their leisure. Inside the headband will be a message to sign up for Fish Bites and information on aquatic invasive species and the importance of our native Brook trout.</p>
33	<p>Aquatic Invasive Species (DEQ Water Resources Division – Aquatic Invasive Species Program)</p> <p>We intend to have several aquatic invasive species specimens on display as well as other interactive information (aquatic invasive species prevention temporary tattoos, etc.) to help students learn about the impacts of aquatic invasive species and how they can help prevent their introduction and spread.</p>
34	<p>MDCH Fishing Pier (Michigan Department of Community Health, Division of Environmental Health, Eat Safe Fish Program)</p> <p>This is a hands on activity in which kids get to “fish,” measure their catch, and figure out if the fish they caught is high or low in chemicals, ultimately determining if the fish is safe to eat.</p>
35	<p>Marine Safety (United States Coast Guard Auxiliary)</p> <p>We will have Invasive Species specimen examples, aquarium tank- pollution, stickers, etc.</p>
36	<p>THINK! ENERGY Efficiency (Consumers Energy / National Energy Foundation)</p> <p>Hands on activity where students use electricity monitors to measure the electricity used by different types of light bulbs and then figure out how much money they could save by using efficient lighting at home.</p>
37	<p>Agriculture and the Environment – Circles of the Earth Bracelet (Michigan Farm Bureau/Michigan State University Collegiate Farm Bureau/Michigan State University NAMA Club)</p> <p>Students will assemble a Circle of the Earth Bracelet and discuss how agriculture interacts with and benefits from our natural resources.</p>
38	<p>Cool Maps – GIS (DEQ GIS Committee)</p> <p>Students will be able to find their house, school on aerial photos or on a 3D view of the landscape. We'll explain how DEQ uses GIS and GPS. Students will hopefully gain an appreciation that GPS is used for more than finding the quickest route to Grandma's house.</p>



39	<p>Michigan Waterfowl Legacy Immersive Wetland The exhibit will contain prop wetland and model waterfowl. The children who attend this booth will have an I Spy type activity, trying to find the waterfowl and identify them with guides. The activity will talk about migration and other waterfowl related topics. We will also talk about the importance of wetlands to people and wildlife. The main props will be the wetlands and displays of the ducks. There will also be a few taxidermy mounts to emphasize the wetlands.</p>
40	<p>Shine's Derry Farm Students will be able to see and touch live farm animals (sheep, lambs or goats). They will be able to learn about the animals and ask questions about them.</p>
41	<p>Pure MI Fit (MDARD, DNR, Milk Means More, Michigan Recreation and Park Assoc., Blue Cross Blue Shield of Michigan) This exhibit will provide students information on healthy eating and physical activity using parks near you to be active and healthy. Students will learn which fruit and vegetables grow in MI, why they are important they are in their diet and have the opportunity to touch and view them. Activities will include identifying fruit and vegetables by putting their hand into a brown bag and feeling the texture and shape, guessing which produce product it is. Spinning a wheel to identify and learn about specialty crops in MI. Physical activities include rolling dice and performing the activity that shows face up on the dice. Will plan on having some lawn-type games as well: Frisbees, ladder golf, "activity dice", stretching, etc. Handouts on dairy, produce, and healthy eating/ physical activity will be available.</p>
42	<p>Back Yard Bass Fishing (Boy Scouts of America Water & Woods Field Service Council) The exhibit will be geared to students of all ages, primarily K-7. We will be featuring a fishing game that involves a fishing pole with a magnet 'hook' and metallic flat bass 'fish'.</p>
43	<p>CoreKids (Michigan Geological Survey) We will provide hands-on experiences with Michigan Fossils and Rocks. We bring a variety of labeled specimens for the students to look at. We will do an activity on Mastodons vs. Mammoths – based on teeth and diet. We will have poster displays that describe the geology and paleontology of Michigan.</p>
44	<p>Soil Health is Good for the Environment (U.S. Department of Agriculture) This exhibit will demonstrate how farming practices that improve soil health also protect our water and air.</p>
45	<p>Backyard Natives (Cardno, Inc.) Exploring plants and animals that you might see in your backyard. Hands on demonstration of aquatic and terrestrial plants and animals. Plant native seeds to take home with you and plant in your garden. Touch live aquatic insects, crayfish, and possibly fish! Learn to identify birds and mammals by their skulls and feathers!</p>
46	<p>Michigan Biosolids Program (DEQ Water Resources Division) This exhibit will present information about the beneficial use of biosolids.</p>
47	<p>Chevy Volt Bat House & Wood Duck Nest Box Build Event (General Motors Company) This is a hands-on event for youth to build bat and duck boxes. They will learn how waste is a resource out of place and repurposing/reusing materials after its first life is better than recycling. It will teach the kids that corporations have a great desire to conserve resources and be good community members as exemplified by this wildlife conservation project. The kids will learn specifically about how conservation efforts like this have helped specific species like the wood duck, bats, other tree nesting waterfowl as well as other species, such as screech owls, that roost in these boxes have been enhanced through these efforts.</p>



48	Porosity-Permeability Experience (Michigan Basin Geological Society) This exhibit will feature rock core displays that the students can pump air through with different degrees of difficulty based on the rock type, porosity and permeability.
49	Michigan Rocks (DEQ-Office of Oil, Gas, and Minerals) This is a hands-on, interactive display. Students will learn about different rocks found in Michigan, various rock properties, and will receive rock samples with information cards as handouts. Props will be rocks, magnets, hand lenses, microscopes, and signs/posters
50	Fabric & Textile Recycling (American Textile Recycling Services (ATRS)) We will be using patches of fabric from old linens. We are going to allow each student to decorate each square patch as colorfully as they would like. Then we will be having the patches sewn into quilts for the pets at the Michigan Humane Society.
51	Stella the Live Green Lansing Stegosaurus (Live Green Lansing) Stella is the Live Green Lansing mascot, demonstrating energy efficiency and waste reduction. She was constructed by teens at REACH Studio Art Center in Lansing out of recyclable materials and LED lights. She stands 9ft. tall and 7ft. wide and is not a hands-on demonstration but students are welcome to get right next to her and see how she was constructed.
52	Michigan Forest Association This hands-on exhibit will feature the Michigan Forest Association’s “Wanigan” educational trailer, which is equipped with educational panels, wood specimens, a touch-screen computer and handouts.
53	Michigan State Police Ever wonder what the inside of a Michigan State Police cruiser looks like? Here’s your opportunity to see all of the tools that our State Police troopers use on the job. Students will be able to look inside the vehicle and talk to the troopers about their job.
54	DNR Conservation Officers & Trucks Students will be able to talk with the conservation officers, look inside the officer’s truck and receive hunter safety information.



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