



Wayne County

2018 ANNUAL REPORT

msue.msu.edu



MESSAGE FROM THE DISTRICT COORDINATOR

I'm delighted to share the results of another successful year of partnership between Wayne County and Michigan State University (MSU) Extension. Because of your continued support, we've been able to make a difference in the lives of youth, families, businesses and communities.

MSU Extension offers a broad range of research-based educational services to county residents. Over this past year, we've empowered families and individuals to live healthier lives, supported new and local businesses, created opportunities for youth leadership development and career exploration. Our staff live and work alongside county residents, are rooted in community relationships and are responsive to community needs.

Our partnership with you makes this all possible. On behalf of the MSU Extension team serving Wayne County, thank you for another great year. We look forward to your continued support and hope you'll be able to join us during one of our upcoming programs.

Richard Wooten
District Director, District 11



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MEASURING IMPACT

CONNECTING WITH RESIDENTS

4-H Youth Development	23,835
Volunteers	1,212
Health, Nutrition & Wellness.....	30,200
Community Food Systems & Food Safety.....	1,075
Financial Literacy & Homeownership	255
MSU Product Center.....	50
Natural Resources	3,700
Master Gardeners.....	509
Master Gardener Volunteers	383
TOTAL IMPACT	61,219

DISTRICT 11 DIGITAL REACH

From January 1, 2018 to December 31, 2018, the MSU Extension website (msue.msu.edu) received 168,968 visits from Wayne County. Of those, 81% were first-time visitors. The easily accessible and searchable science-based content make the MSU Extension website one of the most visited Cooperative Extension Systems education sites in the country.

Developing Youth and Communities



When you support MSU Extension 4-H programs, youth participants learn life skills that prepare them for the workforce – especially for highly sought after jobs in science, technology, engineering and mathematics (STEM).

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4-H members at Joann Fabrics during our partnership event

4-H Partnerships

Wayne County 4-H continues to enjoy outstanding partnerships with the Wayne County Fair Association in Belleville; Family Farm and Home in Flat Rock; Tractor Supply in Trenton; and JoAnn Fabrics in Livonia, Canton, Grosse Pointe, Taylor and Allen Park. Each organization supports 4-H with financial support and opportunities for youth to serve their communities. Wayne County Farm Bureau increased its support of 4-H by generously donating financial support to provide a full-time AmeriCorps member to teach Ag-Science in Wayne County as part of the Michigan 4-H STEAM Corps Program.

4-H Junior Master Gardener

Throughout the spring and summer, 52 youth became 4-H Junior Master Gardeners through hands-on gardening experience and completion of the *Junior Master Gardener* curriculum. In the program, youth worked with adult volunteers to learn about plant & soil science, food access, and nutrition and how to construct a garden.

To close out the program year, youth from Detroit (Northwest, West, and East)

Highland Park, and Inkster program sites came together at the first Junior Master Gardener Celebration event at the MSU Detroit Center to celebrate and share their success and skills with one another.



American International Academy 4-H JMG



Developing Youth and Communities, continued

4-H Microsoft Tech Changemakers

Wayne County teens are working to address the local and emergent epidemic of substance abuse among teens. Their goal is to create an easily accessible digital space in which teens could access for resources, support and help with substance abuse issues that would help prevent and reduce substance abuse. Benefits to youth and the community include increased self-determination, increased leadership, increased digital media skills, better knowledge about substance abuse, and better content for youth about substance abuse. During the reporting year at our 4-H Tech Wizards-M-YEARS Farwell Recreation Center site, 4-H youth competed for the 2nd time in the Engineering Society of Detroit's Future City competition and won an award.



4-H members at a Tech Changemakers meeting in Detroit

Career Education, Workforce Preparation, Financial Literacy and Entrepreneurship

In 2018, more than 350 Wayne County youth were involved in workforce preparation and money management skill building in Wayne County. This education was generally in workshops or series at county partner sites. Locations for youth programming for 2018 included the Detroit Public Libraries, Wayne-Westland Community School District, Harper Woods CARE program, Downtown Youth Boxing Gym in Detroit, Wellspring Community Outreach in Detroit and the Family Health Resource Center in Inkster. Summer youth employment program education took place in 2018 through Highland Park Summer Employment, GenesisHope non-profit in Detroit, Ideal Group in Detroit, and at Brightmoor Artisan Collective in Detroit. Youth outreach also took place at statewide 4-H events with Wayne County participants in attendance such as 4-H Exploration Days, Teen Spokesperson, 4-H Treasurer Training, and Teens as Teachers.

With funding from Chemical Bank, there was a strong focus on financial literacy education. Financial literacy education covered savings, needs and wants, credit and debt, financial institutions, investing and budgeting.

Workforce preparation programs allowed youth to practice their interview skills, create resumes, set goals, practice a business handshake, discuss professionalism in the workplace and write thank-you notes.

As a result of programming:

- 95% of youth surveyed understand that they are responsible for their financial future.

- 77% of youth surveyed felt they have the skills to successfully manage their money.

- 75% of youth surveyed plan to save a portion of the money they earn and any money they are given.

Whether it is written, spoken or visually represented, the way we express ourselves makes a big impact on our daily lives at home, work and play.

Early Childhood

The most important time in a person's life is the formative years between the ages of birth and 5. Michigan State University Extension's (MSUE) Child and Family Development work team supports early childhood development through programs that help prepare Michigan's children from birth to 8 years old succeed in school and in life.

MSU Extension improves school readiness by teaching parents and caregivers the methods that increase early childhood science and reading literacy, and ways to prepare children socially and emotionally for school.

Early Childhood Education for Parent and Caregivers

The goal of early childhood education in Wayne County is to increase the knowledge of basic concepts of early child development including how to keep children socially, emotionally and physically safe as well as techniques that support school readiness and academic success for young children. In Wayne County, trainings were provided for childcare providers, parents, and caregivers. Participants who were primarily Spanish speaking, or parents of young children, or residing in homeless shelters were sought to engage in the programs.

In 2018, 558 community members participated in Early Childhood Education programs in Wayne County with 421 participants being from Wayne County. Over two thousand Michigan residents engaged in activities stemming from partnerships between local organizations and the Child and Family Development work teams across the state.

Outreach and Awareness

Detroit Public Television events – Activities included STEM curriculum trainings and the Teacher Summit Education Camp for early childhood professionals. Headstart recruitment fairs were offered to showcase preschool programs for families.

- Dr. Seuss Literacy Event at Cooke STEM Academy – Literacy activities and Dr. Seuss story time were provided for a second grade class at Cooke STEM Academy in Detroit. Thirty youth attended.
- Kindergarten Preparation Workshop at the Great Start Readiness Program at the Crowley Center – Families were provided with resources and participated in an interactive workshop in Lincoln Park.
- Hope Starts Here Partnership - The Child and Family Development work team joined Detroit's Early Childhood Partnership entitled Hope Starts Here. The mission of this partnership is to strengthen the linkages and improve the quality and access to services and resources for Detroit families and children.



Early Childhood Educator leading literacy activities in Detroit

Ensuring Safe and Secure Food



In 2018, Wayne County residents responded to rising food costs by utilizing home food preservation. Many found it beneficial to preserve home grown food from home gardens, community gardens and food purchased at farmer's markets.

Home food preservation education has been implemented through MSU Extension system for more than 50 years. Extension uses research-tested recipes and information to convey safe food practices. Consumers are advised to use United States Department of Agriculture (USDA) approved home food preservation practices, including canning, freezing and drying, to ensure safe, high-quality preserved foods. Consumers who use untested or outdated home food preservation techniques or recipes put the health of families at risk.

Home Food Preservation

Michigan State University Extension delivered 11 hands-on food preservation workshops to 118 Wayne County residents .

The topics of these hands-on classes ranged from canning jams and jellies, blanching and freezing, and canning tomatoes. Each class was 2-3 hours long with consumers engaged in the process and procedure of canning along with educational content. Each class covered reading the recipe and the importance of research based information and resources and techniques. A folder of resources was provided to each participant for up to date food preservation knowledge.

Wayne County agencies, partnering with MSU Extension, hosted some of these classes including Capuchin Earthworks, TEAM WELLNESS Center, Gleaners Foodbank, Broad Street Presbyterian, Northwest Activities Center- Project Healthy Community, American Indian Health Family Services, Taylor- St John Community and NW Detroit Farmer's market.

The goal of each class is to provide food safety knowledge and proper canning practices including:

- carefully selecting and washing fresh food
- peeling some fresh foods
- hot packing many foods
- adding acids (lemon juice or vinegar) to some foods
- using acceptable jars and self-sealing lids
- processing jars in a boiling-water or pressure canner for the correct period of time



Hot Water Bath Canning

Ensuring Safe and Secure Food, continued

Serv-Safe Food Handler Program

It is estimated by the Centers for Disease Control and Prevention that yearly 3000-5000 people die from food borne illness and that 325,000 people become ill from pathogens that are the result of the failure of food service workers to perform their duties in a safe manner following prescribed food safety requirements.

The Serv Safe Food Handler course from the National Restaurant Association (NRA) is offered to participants working in food service and/or applying for employment in food service. The three hour course covers Basic Food Safety, Personal Hygiene, Cross-Contamination & Allergens, Time and Temperature, and Cleaning and Sanitation. Food handlers are responsible for cooking, preparing, serving, packing, displaying and storing food. They must follow any safety instructions issued by an employer, and conduct their duties in such a way so that they do not affect the health and safety of themselves, work colleagues, customers or their employers.

In Wayne County, the MSU Extension Food Safety educator delivered the Serv-Safe trainings to 164 participants in 2018.

Teaching prospective employees food safety practices can assist food service managers in hiring staff who have basic food safety knowledge and are ready for the job at hand. Also, it can help to assure that the scope of training directs participants in the understanding of factors that contribute to food borne illnesses, and that they will understand controls that will minimize food borne illnesses.



Serv Safe Food Handler Course at Salvation Army-Detroit

Ensuring Safe and Secure Food, continued

Community Food Systems

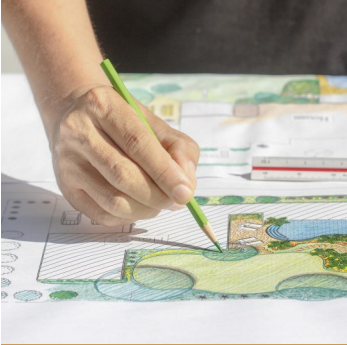
Community Food Systems staff work to improve the local food system in Wayne, Oakland and Macomb Counties. Specifically, staff work to improve the local school food system by facilitating and supporting school gardens for improved agriculture literacy, exposure of students to more fresh vegetable food choices, and experiential learning.

A total of 513 citizens were reached through direct programming and written products throughout Wayne County. A highlight of this programming include the Starting and Sustaining a School Garden Conference held at the Tollgate Education Center and Farm in Novi, MI. Fifty-seven teachers, parents and volunteers participated in hands-on activities to improve their school garden programming throughout the Metro Detroit area.



The clean up of a developing community garden

Ensuring Strong Communities



MSU Extension understands that building civic engagement and healthy economic structures leads to greater opportunities and stronger communities.

When you support MSU Extension, participants learn how to implement best practices in good governance that keeps communities solvent, productive and engaged; learn effective conflict management skills that help leaders and residents work collaboratively on complex issues; and engage youth leaders in decision-making. In the personal finance area, MSU Extension helps youth and adults alike learn the skills they need to increase their savings, manage their spending, avoid predatory lending and reduce mortgage defaults. All of these outcomes help lower the cost of governmental services and lead to personal and community stability, strong neighborhoods and safe communities.

Financial and Homeownership Education

Foreclosure Prevention Counseling was provided by MSU Extension staff for **40** Wayne County residents during 2018. Foreclosure/Triage is used to determine a client's best course of action regarding property tax delinquency and mortgage delinquency. Many clients have already received Step Forward Michigan assistance but have fallen behind in taxes again. MSHDA certified educators and counselors assisted clients in resolving mortgage and tax delinquencies through HUD approved sessions. On a statewide basis, 95% of Michigan residents were able to keep their current home.

MSU Extension's Pre-Purchase Homebuyer Program helped Wayne County homebuyers make affordable and informed choices prior to the purchase of a new home. The six-hour class assisted **156** prospective homebuyers during 2018 with guidance to save money for a down payment and to learn of mortgage products that offer down payment assistance. As a result of this program, 92% of the participants are working to improve their credit scores and 91% are saving money for their down payments.

The homebuyer education program also provided certificates of completion for residents seeking Michigan State Housing Development Authority (MSHDA) down payment assistance. The program helped participants improve credit scores and financial standing which enhanced the likelihood of eligibility for lower cost mortgages and decreased the chances that troubled borrowers would have to seek foreclosure assistance. As 30% of our attendees have an income of less than \$30,000, this program is important for their future financial success.

Residents also had the option of completing an online homebuyer course entitled eHome America (www.ehomeamerica.org/msue).

Ensuring Strong Communities, continued

Personal Finance

Personal finance education programs were presented by MSU Extension staff to 383 Wayne County residents during 2018. After this program, 78% of these participants were able to write out a spending plan and 70% were able to save money regularly. In addition, two Train the Trainer programs were held with 59 participants, primarily area social workers and Health and Human Services professionals.

These sessions were made possible by continuing partnerships with local schools, churches, and community and government organizations. Residents attend these classes to improve their money management skills, prepare for homeownership, or to prevent or recover from financial crises including foreclosure.

MSU Extension utilizes two evidence-based curriculums, DollarWorks 2 from the University of Minnesota Extension and Money Smart from the Federal Deposit Insurance Corporation (FDIC). Program delivery ranged from 1 to 6 hours. In 2018, the curriculum was translated into Arabic to better serve the diverse community in metro Detroit.

In addition, residents have access to an online money management program called EHome Money (www.ehomemoney.org/msue). This low cost online course helps people understand credit, manage their personal finances, and prepare for purchasing a home at their own pace.



Program Instructor Khurram Imam talks to potential homebuyers about the importance of a home inspection when purchasing a home in May, 2018 at Focus Hope in Detroit.

Ensuring Strong Communities, continued

Community and Municipal Outreach Projects

MSU Detroit Partnership for Food, Learning and Innovation Center

In 2018 an Extension Educator was hired to manage the newly proposed Detroit Partnership for Food, Learning and Innovation (DP FLI). This new facility is scheduled to start construction in 2019 and will allow MSU to provide on-going Extension programs and workshops to residents in the Riverdale and Brightmoor neighborhoods of Detroit. The majority of the engineering and design work was completed in 2018, along with several community meetings and projects updates. The first initial building will include a learning center and will also create opportunities for urban agriculture and urban forestry research. This unique research and learning center will create opportunities for original onsite research on such issues as soil remediation in urban settings.

Given the DP FLI site's soil conditions, Extension staff began developing the first project will be piloted at the site in 2019. Coordination consisted of meeting with urban farms, Extension staff, and faculty on campus with expertise in soil management. Staff applied for a Sustainable Agriculture Research and Education Grant in October with help from MSU personnel was attained. A faculty advisory committee was created to inform and consider future projects.

Extension staff assigned to the project participated in multiple workshops, lectures, and seminars. Since July 2018, staff engaged approximately 129 individuals in Wayne County in educational programming in the form of lectures, panel discussions, and community meetings. The topics pertained to food systems, food justice, sustainability, community engagement, urban agriculture, and plans for the DP FLI.

Government and Public Policy

The Wayne County Government and Public Policy Educator for Michigan State University Extension (MSUE) focused on developing capacity for communities to position themselves for success in the 21st Century Michigan through partnerships between MSUE, county and local governments, and community leaders in Wayne county in the areas of land use planning, zoning, strategic planning, placemaking, historic preservation, and fiscal sustainability.

Examples of these projects include the following:

- NCI Charrette Training - Interactive, Collaborative and Facilitated Training on the NCI Charrette and Management Process.
- Citizen Planner Advanced Academy - offers land use education locally appointed and elected planning officials and interested residents through out Michigan.
- MSUE Wayne County Entrepreneur Technical Assistance Program - assist entrepreneurs to improve commercial districts in Wayne County and the City of Detroit using Small Business and Economic Development Strategies combined with New Economy Placemaking Principles.



2018 Motor City Match Grant Winner Good Times for On The Ave

Keeping Businesses Strong



When you support MSU Extension, you help participants understand the economic, environmental and social benefits of purchasing local and regional foods.

MSU Extension and the MSU Product Center help Michigan entrepreneurs develop and commercialize high-value, consumer-responsive products and businesses in the food, agriculture, natural resources and bioeconomy sectors. When you support MSU Extension, you help participants understand the economic, environmental and social benefits of purchasing local and regional foods. You also help young people develop business skills that will help them succeed as adults and help communities capitalize on their ecological, social and cultural assets. This fuels the economy by creating and retaining jobs, and helps ensure a healthy tax base.

Building Entrepreneurial Spirit and Skills

As the backbone of the economy, small business owners play a critical role in the prosperity of the nation. But to be a successful entrepreneur, one must have not only the ambition to take a risk, but also the business sense and skill to make a profit. To ensure the business owners of tomorrow are triumphant in their future endeavors, they need to learn the entrepreneurial concepts that pave the way for success.

MSU Extension is helping to meet this need by providing youth and the adults that support them with the skills and resources necessary to turn ideas into business ventures. Through simulations and workshops, Wayne County residents learn how to develop business plans and operate their own companies, as well as how to be more entrepreneurial in the way they approach their personal finances.

MSU Product Center

The MSU Product Center Food-Ag-Bio assists county residents in developing products and businesses in the areas of food, agriculture, natural resources and the bio economy. Extension educators are specially trained as innovation counselors to deliver these services to local residents. Business counseling is conducted on a one-on-one basis. This may take place at the MSUE office, close proximity to the client's home, or the actual business location. The assistance provided is tailored to meet the needs of the client. Services include developing a business plan, navigating the regulatory procedures of state and local food licensing, accessing the supply chain or seeking funding options. The innovation counselor also assists clients in accessing specialized services. These are offered by Michigan State University campus staff, and include such topics as feasibility studies, nutritional labeling, food science, and packaging assistance.

One hundred and nine counseling sessions (109) took place in Wayne County to assist 51 entrepreneurs in starting new businesses and expanding existing businesses. There was \$28,900,000.00 in new sales reported along with \$105,000 in investment made.

Keeping People Healthy



Encouraging healthy behaviors helps reduce food and health care costs by helping prevent chronic health conditions and providing safe environments throughout a person's life span.

When you support MSU Extension, you help participants learn safe food handling practices, increase their physical activity and improve the quality of their diets. Extension programming also helps decrease incidents of violence and bullying. Encouraging these healthy behaviors helps reduce food and health care costs by helping prevent chronic health conditions and providing safe environments throughout a person's life span.

Disease Prevention

In 2018, the Disease Prevention and Management work team led the following series: two Dining with Diabetes series with a total of 13 participants and two Matter of Balance series with a total of 12 participants. Six one-time presentations were given to a variety of audiences with a total of 89 participants.

Dining with Diabetes is a five-session course designed for people at risk of diabetes or who have diabetes, as well as their family members. Through Dining with Diabetes participants learn how to prepare healthy meals using less fat, how to make meals using less sodium and sugar without reducing flavor and enjoyment, the causes of diabetes, tools for managing diabetes, and the importance of diet and exercise in managing diabetes. The program offers opportunities to sample a variety of healthy foods and take home recipes to further encourage behavior change. As a result of participating in the Dining with Diabetes program:

- 76% fit exercise into their daily routine
- 56% exercise continuously for at least 30 minutes at least three times a week
- 63% participate in physical activity such as walking on a daily basis
- 81% cook more at home
- 94% eat smaller proportions
- 77% are using recipes provided by the program

Nutrition and Physical Activity

In 2018 MSU Extensions Nutrition and Physical Activity (NPA) Educational programs made large steps towards improving Wayne County residents' health. In our free NPA education programs, we aim to reduce hunger and food insecurity, while promoting healthy eating habits.

MSU Extension Community Nutrition Instructors teach residents across the entire life span on how to make health a priority through educational classes. The goals of the Nutrition and Physical Activity programs are to increase the likelihood that those eligible for food benefits will establish healthy eating habits and increase their time spent involved in physical activity, while staying within their limited food budget.

Keeping People Healthy, continued



Charles H Wright Elementary Field Day

In the Expanded Food Nutrition Education Program, programs participants learn how to: 1) make the most of their food dollars, 2) understand food labels, 3) make healthy food choices, 4) prepare and portion food, 5) plan menus, 6) understand recipes and 7) keep food safe.

Throughout the school year, 9 schools received coaching from MSU Extension to create student wellness committees and complete the Fuel Up to Play 60 program through our partnership with the United Dairy Industry of Michigan and the Detroit Lions. In these 9 schools, the student committees implemented at least 3 PSE changes to their school.

Improving Social-Emotional Health and Wellbeing

Social-emotional health and well-being is influenced by a range of factors, from individual make-up and family background to the community within which people live and society at large. MSUE social-emotional health and well-being programs strive to increase personal competencies, such as emotional resilience, self-esteem and interpersonal skills that help to protect against risks relating to exposure to toxic stress stemming from social and economic disadvantage, poor parenting, abuse, family disruption, relationship violence and other adversity in life. Our programs are targeted toward adults and children because across the lifespan, people faced with these situations and settings are at risk for a wide range of physical, psychological, social, emotional, cognitive, financial and spiritual health challenges. Evidence shows that poor social-emotional well-being in early childhood predicts a range of negative outcomes in adolescence and adulthood. For example, negative parenting and poor quality family or school relationships place children at risk for poor mental health, suicide, high school dropout, economic disadvantage and unsatisfying and/or unhealthy interpersonal relationships in adulthood. Early intervention through educational programs like ours can help reduce physical and mental health problems and prevent family dysfunction that is often passed down from one generation to the next.

RELAX: Alternatives to Anger

RELAX: Alternatives to Anger is designed to help adults, parents and adolescents increase their knowledge about stress and anger issues and put healthy relationship skills into practice by better managing emotions. Aspects of promoting social emotional health are woven throughout the training and include expressing emotions, navigating stress, resolving interpersonal conflict, taking another's perspective, feeling capable and whole and building skills for forming and maintaining satisfying, healthy and supportive relationships.

Through two new partnerships in 2018 - one with Samaritas Heartline Treatment Centers and the other through Covenant House in the city of Detroit, we reached over 550 Wayne County adults through Alternatives to Anger and our Stress Less with Mindfulness programs. The program continues to be widely recognized by Wayne County judges and referees, health and human service agencies and health care organizations. .

Keeping People Healthy, continued

Stress Less with Mindfulness

Mindfulness is a learned ability to live in the present moment. The practice of mindfulness has been around for thousands of years and was first introduced to health environments in the 1800s to help patients in hospitals cope with pain. More recently, it has been proven to be highly impactful in reducing symptoms of anxiety and depression and in helping individuals decrease stress and regulate intense emotions, such as anger.

Stress Less with Mindfulness is a skills-based curriculum taught throughout Wayne County in 2018, 103 individuals, including teachers, parents, daycare providers and healthcare workers participated in the program. Our Stress Less sessions include the following components and can be offered as a series or as a one-time **presentation**:

- **Begin with breath:** Participants will learn about the benefits of mindfulness, pinpoint behaviors which can make you vulnerable or resilient to stress, learn how the brain can reduce or increase stress and experience mindful movements.
- **Mindful eating:** Participants will learn benefits of eating with mindful awareness, create a personal hunger/fullness scale as a guide for sensing when and how much we actually need to eat and experience paying mindful attention to eating.
- **Mindful walking/thought surfing:** Participants will practice mindful walking, identify how letting go of control can improve mental physical happiness and learn thought-surfing to gain perspective on negative thoughts, sensations, worries and urges.
- **Be kind to your mind:** Participants will learn the importance of self-compassion for your thinking, learn how to de-fuse harsh thinking, practice mindful attention to your thoughts and learn the power of acceptance and gratitude to relieve stress.
- **Laughter is good medicine:** Participants will learn, mental and social benefits of laughter, experience laughing for the health of it, learn ways to include laughter in life, review mindfulness skills and create a plan for continuing mindful practices.

Court Supported Parenting

Through social-emotional health and well-being programs, Extension continues to provide parenting education to Wayne County parents in collaboration with the Wayne County Third Circuit Court. In 2018, we served 793 custodial mothers seeking to establish paternity for their children. Our paternity education and support program provides education to motivate and encourage custodial moms to continue with the process of establishing paternity. When paternity is established, children are less at-risk for poor social-emotional developmental outcomes and child welfare is increased.

We also served 395 court-ordered parents through Kids First. Kids First is a divorce and co-parenting education program provided by MSUE to Wayne County divorced, separated and never married parents. Parents are court-ordered to attend as a condition of their divorce or when they are engaged in on-going disputes regarding custody, parenting time or other parenting matters. The on-going and observed impact of these programs is positive for increasing parental knowledge of the impact of stress and conflict on children's well-being, increasing positive parental relations, increasing effective communication between parents and reducing exposure to stressful situations for children.

Making the Most of Our Natural Assets



Better land stewardship benefits communities by protecting and enhancing Michigan's natural resource assets.

The Michigan State University Extension natural resources and environmental education programs have served over 143,000 citizens of Michigan. The program has provided outdoor educational experiences for 122,332 children, youth and 20,816 adults since 1999. Programs are designed to educate the Michigan citizenry, especially those living predominantly in urban areas, with the land.

In 2018, Natural Resources and Environmental Education Programs were successful in delivering quality programs to 6,729 participants. This effort provided outdoor and environmental education programs to 5,599 youth and 1,130 adults.

Utilizing vessel based education, fishing, archery, camping, nature exploration, water studies and other outdoor education programs, youth and adults in southeast Michigan and other locations across the state are increasing their knowledge, experiences and appreciation for our natural resources based on the participation in Michigan State University Extension's Outdoor and Environmental Education Programs.

The MSU Extension Southeast Michigan Outdoor Education Program accomplishes this goal through these activities:

Great Lakes Education Programs

A vessel-based field educational experience that focuses on the Great Lakes and Detroit River resources. The program integrates history, geography, physical and biological sciences, math, literature and the arts to increase student interest in natural resources and encourage understanding of their roles as environmental stewards.

Stepping Stones

Stepping Stones is an outreach outdoor education program offering outdoor educational programs in partnership with the Michigan Department of Natural Resources. These programs introduce urban youth to multiple outdoor experiences. Youth engage in experiential learning through fishing, camping, archery, water studies and nature exploration.

Archery

MSU Extension develops, coordinates and oversees archery programs for youth using the 4-H archery program format. MSUE also helps develop and deliver in-school archery programs using the National Archery in the Schools Program. Both programs teach the basic rules of safety, proper equipment selection and care, and beginning shooting techniques, as well as concentration, discipline, respect and responsibility.



Making the Most of Our Natural Assets, continued

Angler Education

This program allows youth and adults to participate in fishing experiences that encourage natural resources and environmental awareness as well as fisheries stewardship. These experiences take place in classrooms and in various small urban lakes or ponds, such as Palmer Park and Belle Isle.



Youth learning to fish at Belle Isle

Michigan Sea Grant

Michigan Sea Grant is a program of MSU Extension and the University of Michigan that fosters economic growth and protection of Michigan's coastal Great Lakes resources with support from National Oceanic and Atmospheric Administration.

Aquatic Invasive Species Education

Sea Grant programs for aquatic invasive species (AIS) focused on education and outreach programs at various locations throughout the county. In 2018, the program educated 3,700 participants at several Wayne County events including 274 students, teachers and chaperones at the Detroit River Water Festival, 915 family members at Sturgeon Day at the MDNR Outdoor Adventure Center and 850 at the Shiver on the River event on Belle Isle. Participants learned about AIS threats to biodiversity and what they could do to help stop the spread of these invaders.

Safe & Sustainable Fisheries

Each year, Sea Grant educators facilitate fisheries workshops across the state of Michigan. These workshops are intended to bring together anglers with fishery managers and other subject matter experts to provide information about the status and trends of fishing in the Great Lakes and connecting waters. The Southeast Michigan fishery workshop took place in April with 36 people attending.



Promoting Healthy Sustainable Communities

Sea Grant worked with 21 Downriver communities developing biking, hiking and paddling trails along the Downriver Linked Greenways (DLG) including new signage and construction of more than two miles of trails in Trenton. Extension also worked with Friends of the Detroit River to improve over 200 acres of wildlife habitat along the Detroit River.

Tiffany Van DeHey, owner Riverside Kayak Connection, Congresswoman Debbie Dingell and Richard Marsh, city manager River Rouge unveil new sign kiosks for the Downriver Linked Greenway trails

Supporting Food and Agriculture



When you support MSU Extension, you help participants learn profitable and efficient business and production practices.

Michigan agriculture continues to be a growing segment of the state's economy. The production of commercial food and nonfood agricultural operations is growing rapidly. The number of households raising a portion of their own food and raising livestock or gardening for pleasure or relaxation continues to increase. When you support MSU Extension, you help participants learn profitable and efficient business and production practices.

Wayne County Extension Master Gardeners

In 2018, there were 111 participants in 2 Wayne County MSU Extension Master Gardener (EMG) training courses, bringing the Wayne County roster to 383 EMGs and Trainees. The 2018 programming year marked the return of the Extension Master Gardener course to the city of Detroit after many years' absence.

To become a certified MSU Extension Master Gardener, trainees attend a 14-week program to learn about research and evidence based horticultural practices. Then trainees must complete 40 hours of educationally focused volunteer activity in our community.

In 2018, EMGs and Trainees completed 18,332 hours of volunteer time, participated in 4,665 hours of continuing education, and drove 87,279 miles, bringing an economic value of \$464,836 to Wayne County. As a result of these efforts, EMGs in Wayne County reached 38,413 people through programs, presentations, community based projects, and other educational focused activities such as:

- Composting
- Yard waste recycling
- Pollinator support
- Community garden coordination
- Water management
- Lectures
- News and periodical articles
- Demonstration gardens
- Invasive pest management
- Information tables at farmers' markets



MSU Extension Master Gardener Program was the recipient of \$1,000 gift from Community Financial Credit Union

Supporting Food and Agriculture, continued

In addition to the tremendous efforts of these volunteers, the Wayne County EMG program established and/or expanded relationships with these communities and organizations:

- Detroit Public Schools Community District
- Canton Township
- Eastern Market
- Wayne County Community College District
- Women, Infants, and Children (WIC) program

Celebrating the MSU Extension Master Gardeners' 40-year anniversary, Wayne County hosted the annual state wide education event, Master Gardener College, for Extension Master Gardeners and guests. We welcomed almost 300 eager learners to this much anticipated event.

MSU EMGs staff a Smart Gardening information booth at Eastern Market on Tuesdays during the summer. In 2018 our EMGs at Eastern Market reached over 1,200 people, helping them learn about evidence based horticultural practices.

For our second year tracking produce grown in gardens where EMGs are involved, 20 gardens reported donating over 23,000 pounds of produce to those in need.



Vegetables grown in the Women, Infants, and Children (WIC) Community Garden at the MSU Extension Western Wayne office



Wayne County residents learning great things in the Women, Infants, and Children (WIC) Community Garden with MSU Extension staff

Extension Professionals Serving Wayne County

Name	Role	Phone
<u>Agriculture, Agribusiness & Horticulture</u>		
Deirdre Hope	Master Gardener Coordinator	734-546-8657
Garrett Owen	Extension Specialist, Floriculture & Greenhouse Outreach	248-347-3860 x202
Mary Wilson	Extension Educator, Consumer Horticulture	248-347-0269 x219
<u>Community Stability, Finance & Housing, Community Food Systems</u>		
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Elizabeth Martinez	Extension Educator, Financial and Housing Education	313-494-4965
Crystal Wilson	Extension Educator, Government & Public Policy	313-309-1674
Naim Edwards	Extension Educator, Detroit Partnership for Food, Learning & Innovation	313-578-9724
<u>Natural Resources & Sea Grant</u>		
Mary Bohling	Extension Educator, Sea Grant	313-410-9431
Lisa Perez	USDA Forest Service	313-494-4735
<u>Nutrition, Emotional & Social Wellbeing, Chronic Disease</u>		
Karen Barbash	Program Instructor, Health and Nutrition	313-494-4971
Callie Brannan	Program Instructor, Health and Nutrition	313-494-4964
Mary Brooks	Program Instructor, Health and Nutrition	313-494-4973
Diane Chapman	Program Instructor, Health and Nutrition	313-494-4975
Kristi Evans	Supervising Educator, Health and Nutrition	313-494-4977
Jacalene Christian	Program Instructor, Health and Nutrition	313-494-4976
Derrick Harrison	Program Instructor, Health and Nutrition	313-494-4599
Ann Huerta	Program Instructors, Social, Emotional Health & Wellbeing	734-467-3358
Charles Jackson, Jr	Program Associate, Health and Nutrition	313-494-4963

Extension Professionals Serving Wayne County, Continued

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Ashly Nelson	Program Instructor, Health and Nutrition	313-494-4974
Adim Ogbuaku	Program Instructor, Health and Nutrition	313-494-4885
Donna Pernel	Program Instructor, Social, Emotional Health & Wellbeing	313-494-4678
Jaquelynn Powell	Program Instructor, Health and Nutrition	734-727-7242
Tori Sampson	Program Instructor, Health and Nutrition	313-494-4928
Lisa Tams	Extension Educator, Social, Emotional Health & Wellbeing	734-727-7236

Youth & Early Childhood Development

Mark Cowan	Program Coordinator, 4-H Youth Development	313-494-4979
Milaina McCann	Program Coordinator, 4-H Youth Development	313-309-1686
Lisa Kelley	Program Coordinator, 4-H Youth Development	734-727-7408
Laurie Rivetto	Extension Educator, 4-H Career Exploration/Preparation	734-727-7234
Vivian Washington	Extension Educator, Early Childhood Education	313-494-4672
Gary Williams	Extension Educator, NR-Outdoor Education	313-494-4884
Diane Wisnewski	Supervising Educator, 4-H Team Leader	248-858-0529

Administration

Ritchie Harrison	Extension Specialist, Co-Director of GLLA	313-578-9729
Aba Holmes	District Support	313-309-1685
Richard Wooten	District Director	734-727-7435

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