

2017 Impact Report

UNIVERSITY OF ILLINOIS EXTENSION
SERVING BUREAU, LASALLE, MARSHALL,
PUTNAM COUNTIES



UNIVERSITY OF ILLINOIS
EXTENSION

College of Agricultural, Consumer and Environmental Sciences

Bureau County Fashion Revue presents
"There's No Place Like 4-H!"



Marshall-Putnam Counties Lettuce Bed SPIN Program at
Putnam County Elementary School!



LaSalle County 4-H Clubs celebrate
National 4-H Week!



Don't worry! The correct logos will be added before everything goes to print.



Extending Knowledge... Changing Lives

University of Illinois Extension is the flagship outreach effort of University of Illinois Urbana-Champaign, offering educational programs to residents in all 102 Illinois Counties. Since it was established in 1914, UI Extension has been an integral part of people's educational experiences. Communities have come to rely on Extension for its practical, research-based educational offerings. Through learning partnerships that put knowledge to work, UI Extension's programs are aimed at making life better, healthier, safer and more profitable for individuals and their communities.



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A Note from the County Director

University of Illinois Extension has had a busy and productive year providing meaningful programming to local citizens across Bureau, LaSalle, Marshall and Putnam Counties.

We are very grateful to our annual funders, stakeholders, volunteers and participants for the dedicated support provided to our local program partnerships. These partnerships allow us to connect with youth and adults in schools, agencies, communities, businesses, farms, agriculture industries, local governments and citizens' groups across our four county area.

We thank everyone for the tremendous, ongoing commitment to provide local funding support to keep our vital programs in place during the two plus years of uncertainty due to our suspended State of Illinois matching funds (since July 2015).

Because of your support, we have been able to continue to provide unbiased, research-based information and strong educational programming outreach from the University of Illinois campus in Urbana-Champaign. Broad program areas include: Agriculture and Natural Resources; 4-H Youth Development; Family, Nutrition and Consumer Sciences; and Community and Economic Development.

In addition, we bring specialized services to local people and schools through Extension's partnerships with the Illinois State Board of Education, Illinois Nutrition Education Program (SNAP-Ed), Ag in the Classroom and Tech Wizards grant programs.

Extension provides practical education you can trust to help people, businesses and communities solve problems, develop skills and build a better future. Please take a look at our program highlights for 2017 and contact me if Extension can be of service to you!

With warm regards,
Jill Guynn, County Extension Director



2017 4-H Youth Development Program Highlights

4-H Health Jam

The 4-H Health Jam program teaches elementary school-aged youth about healthy lifestyles, good nutrition, physical fitness, and health-related careers. During the nine-week program youth participate in a two-day field trip to a hospital and fitness center and eight weeks of classroom visits learning about various health-related topics. In addition, students work in teams to complete the “Walk Across Illinois Challenge”. This program was conducted with JFK Elementary School 5th graders spring 2017, in Spring Valley.



Career Expo at IVCC

Keith Jacobs, Extension STEM Specialist, from the State 4-H Office hosted two sessions for participants of the Career Expo held at IVCC on March 24, 2017. 8th and 9th grade students were able to learn all about drones, career opportunities related to drones, and even had the opportunity to learn to fly a drone outside. Students who participated in the sessions asked many great questions and were excited to learn about more 4-H opportunities to come involving drones and engineering.



STEAM Event at IVCC

4-H assisted in the STEAM event at IVCC hosted by LaMoille School on March 14, 2017. 4-H hosted two sessions on robotics where students learned about the engineering design process and were able to build marshmallow catapults in a team. Students were informed about 4-H robotics programs and learned about what opportunities were available locally.

4-H Representation at Illinois State Fair

We are proud that hundreds of Bureau, LaSalle and Marshall-Putnam 4-H'ers were represented by such amazing youth who received the delegate/alternate award at the county fairs.

These youth traveled to the State Fair showing their livestock and presenting 4-H projects. Our 4-H project day at the Illinois State Fair was August 10.



2017 4-H Youth Development Program Highlights

Extension Brings National 4-H Tech Wizards Grant to Marshall-Putnam Counties.

Tech Wizards connects underserved youth, grades 4-12, with trained mentors through after-school programs. The mentors provide training in website

development, video and podcast productions, GIS/GPS technologies, and LEGO robotics.



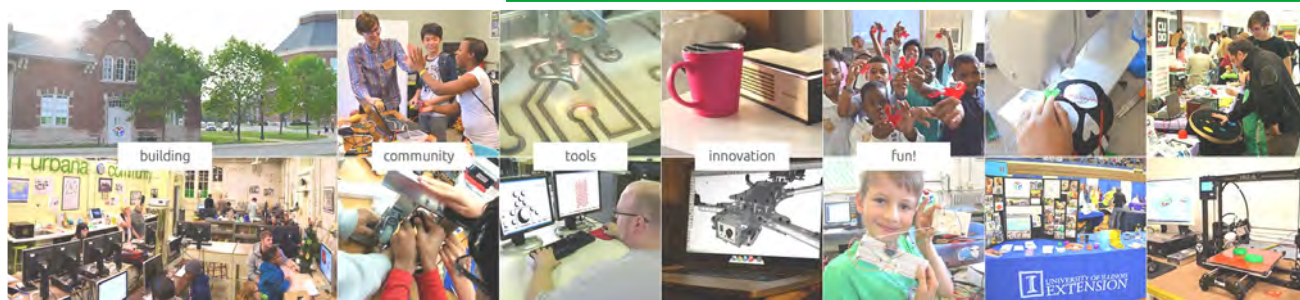
The 4-H Tech Wizards program began in February 2017 and is being led by Extension Program Coordinator, Aaron Lindstrom, at Henry-Senachwine Grade School. High school students from Henry-Senachwine High School are serving as the mentors to the middle school-age participants.



Champaign-Urbana Fab Lab Visits Bureau Valley High School

The Manlius Boys & Girls 4-H Club sponsored a visit from the Champaign-Urbana Fab Lab to Bureau Valley High School. This program was made possible through a \$2,500 donation from *America's Farmers Grow Communities*, sponsored by the Monsanto Fund and directed by local farmer Leonard Vick from Bureau County. The donation funds were used to expand 4-H program opportunities.

During the visit, students had an opportunity to view and made several of the different items available at the Fab Lab such as embroidery, Arduinos, 3-D scanning, and 3-D design.



2017 4-H Youth Development Program Highlights



Riverwatch Monitors

4-H volunteer and 4-H member, Bettyann and Heidi Harrison, attended training funded by University of Illinois Extension to become certified Riverwatch Monitors. Illinois Riverwatch, founded in 2002 is a collaborative partnership between the University of Illinois at Urbana-Champaign, the Illinois Natural History Survey and Lewis and Clark Community College, the National Great Rivers Research and Education Center (NGRRECSM) dedicated to the study of great river systems and the communities that use them. Citizen scientists perform testing and contribute results to a statewide database.

The 4-H Saratoga Leadaways Community Club adopted Big Sandy Creek. Members of the club practiced various stream monitoring techniques in the field, as well as macroinvertebrate identification in the lab. Under the direction of Mrs. Harrison, members learned new skills, collected data and submitted a formal report to Riverwatch. This data is linked to the statewide health of our Illinois watersheds. Club members monitored the creek during the year. Comparisons of the reports will be used to further educate the community and continue efforts for preservation of our local resources.

Young Researchers

During the 2016-2017 school year, teens from Bureau, LaSalle, Marshall and Putnam Counties worked together with researchers from the University of Illinois Urbana-Champaign to develop and run a research study examining youth social media use. Over the course of three day camps, these Young Researchers participated in the research process from beginning to end, including developing research questions, recruiting peers to participate in the survey they developed, analyzing data, and traveling to UIUC to present their findings to an audience of faculty, staff, and students. On that same campus trip, the Young Researchers attended the annual Undergraduate Research Symposium to hear from diverse researchers on campus and learn about the University.



Young Researchers from Bureau, LaSalle, Marshall & Putnam Counties



2017 4-H Youth Development Program Highlights

4-H Federation is a county-wide opportunity for 4-H members in 8th-12th grade. The teen group supports and leads county-wide 4-H activities and events.

Marshall-Putnam 4-H Federation

members hosted a "Welcome New Member" event on October 1st at the Putnam County Conservation Area in McNabb. The members enjoyed team building sessions and worked to continue scholarships for special statewide events. Federation members sent 4-H members to Illini Summer Academies in June on the University of Illinois campus in Urbana-Champaign.



Bureau County 4-H Federation group organized the annual Easter Basket community service project for twenty five Bureau County families that were in need of extra food for the Easter holiday. They also hosted and led an annual awards banquet recognizing the achievements of members and leaders throughout the 4-H year.

LaSalle County 4-H Federation

members sponsored an ice skating activity for 4-H members at Echo Bluff Nature Park near Spring Valley. Youth enjoyed team skating activities, as well as some warm-up time by the fire. They also enjoyed playing a game of hockey.



The Shooting Sports SPIN Club continues to develop life skills in youth that includes self-discipline, decision-making, goal setting, teamwork, problem solving, safety, and critical thinking, in addition to promoting the highest standards of safety, sportsmanship and ethical behavior. The members participate in the Regional Competition Summer Sizzle Shoot, which takes place in Chillicothe. In addition, participants complete record books and create poster displays to exhibit at the counties 4-H Fairs. Youth can select from Archery, 22 Rifle, Air Rifle and Shotgun.



LaSalle County Shooting Sports



Marshall-Putnam Shooting Sports



Bureau County 4-H Shooting Sports

2017 4-H Youth Development Program Highlights

4-H Leaders Volunteer Training

A volunteer training, “Unboxing the Best Practices in 4-H” was held for 4-H volunteers in Bureau, LaSalle, Marshall and Putnam counties. Judy Bingman, State 4-H Media Specialist, visited to provide inspiration and ideas for the volunteers to take back to their clubs. The volunteers were provided with ideas, activities, and giveaways to use with the 4-H members. Topics included 4-H Cloverbuds, community service, STEM, marketing, and leadership.



4-H Teen Teacher Trainings

4-H Youth Development Educator, Breanne Suarez, trained 4-H Teen Teachers at Illinois Valley Community College on June 5 and 6 for the Illinois Jr. Chefs Cooking School Program. The teens were trained in teaching techniques, behavior management, and positive youth development. The teens also learned ages and stages of development, how to successfully work in a youth and adult partnership and were able to practice teaching during their training. The teens were responsible for leading all of the Illinois Jr. Chefs cooking programs in 2017. summer. They gained invaluable leadership experience and were recognized for their community service.

Illini Summer Academies at the University of Illinois Campus

Illini Summer Academies offered a 4-day college experience for area high school teens where they studied with University of Illinois professors and researchers in one of 16 different areas... from Aerospace to Entomology and Astrobiology to Creative Writing.



7 Habits of Highly Effective Teens

8th graders at Henry-Senachwine Grade School participated in the “7 Habits of Highly Effective Teens” delivered by Breanne Suarez, 4-H Youth Development Educator. The program taught students about goal-setting, positive communication, and working together. One student commented, “the program has taught me to be more positive in my life”. Another stated, “the program is relevant to my daily life because we learned skills that we will use and need to know in the future.”

2017 4-H Youth Development Program Highlights

Illinois 4-H Foundation Hall of Fame

The Illinois 4-H Foundation annually recognizes one volunteer per county for exemplary service to the Illinois 4-H Program as a Hall of Fame winner. This year, new members were inducted into the Illinois 4-H Hall of Fame. This year celebrated the 13 year anniversary of the award, said Angie Barnard, executive director of the Illinois 4-H Foundation. The ceremony was held Saturday, August 12th in the Orr Building on the Illinois State Fairgrounds. The Illinois 4-H Foundation established the statewide Hall of Fame in 2004 to honor and celebrate extraordinary 4-H alumni, volunteers and former 4-H Staff. Each inductee received a commemorative Hall of Fame medallion.

Congratulations and thank you to our award winners!



Gail Hayward

LaSalle County

Illinois 4-H Hall of Fame inductees have a track record of exemplary service to 4-H for outstanding career and community achievement and were nominated by Extension staff.



Debbie & Dave Faber

Bureau County



Rod Monier

Marshall-Putnam Counties

Bureau County 4-H & Youth Development



Bureau County 4-H Community Clubs

- Bureau County Open Door 4-H Club
- Clarion Comets 4-H Club
- Dover-Berlin 4-H Club
- Liberty 4-H Club
- Manlius Boys & Girls 4-H Club
- Ohio Windmillers 4-H Club
- Walnut Winners 4-H Club
- Van Allen 4-H Club
- Super South 4-H Club
- Western Winning Wonders 4-H Club

Special Interest Groups

- Dog Obedience
- 4-H Latino Families Program
- 4-H Federation
- The Unlimited Club
- 4-H Teen Teachers

Special Interest Clubs (SPIN)

- 4-H Shooting Sports
- Video—Filmmaking Club
- Sewing
- Small Engines



Bureau County 4-H Fair

Our most visible 4-H event occurred the week of July 20-23, 2017 at the Bureau County Fairgrounds in Princeton. This event allowed 4-H club members the opportunity to showcase the results of their project work in areas they studied throughout the 4-H year. 4-H provides over 200 project possibilities. 4-H'ers participate in conference judging, meeting one-on-one with judges to discuss their projects and goals.



4-H Horsebowl & Hippology

Bureau County Junior Horse Bowl & Hippology Team competed in the Regional Contest in Dixon in 2017. Their excitement showed as they navigated successfully through difficult questions. The Horsebowl and Hippology Program gives 4-H members an opportunity to learn advanced information about horses and to display their knowledge through competing with other youth in regional and state



The 4-H JuniorHorsebowl & Hippology team works well together under the direction of Coach Christina Christensen.

Local Illinois Team Wins National 4-H Horse Bowl

A team of Illinois 4-H members won the Eastern National 4-H Roundup Horse Bowl Championship held November 4 in Louisville, Ky. The win was a continuation of success for the 4-H members who also earned first place team at the All American Quarter Horse Congress Horse Bowl held in October. Members of the team include Kiersten Pratt of Bureau County, and Brenna Berns, Megan Poole, Kaiti Collins, and Natalie Shaw, all members of Carroll County 4-H. Bryan Hollewell of Milledgeville coached the team.

Farm Safety

Bureau County 4-H participated in the Bureau County Farm Bureau's Ag Fair on March 23, 2017. With assistance from FFA members from LaMoille and Princeton High Schools, students were taught about safe practices when visiting a farm.



Holiday Workshop

On Saturday, December 9th, Bureau County 4-H Federation hosted an annual Holiday Workshop for children ages 5-18 at the Bureau County Extension Office.



New LaMoille "Van Allen" 4-H Club

The "Van Allen" 4-H Club is a new community club that has formed in partnership with LaMoille School District's 21st Century Afterschool Program. The youth learned the 4-H pledge, elected officers, and learned about parliamentary procedure. They have also completed hands-on STEM activities during their 4-H club meetings.

Bureau County 4-H Program Highlights



**LaMoille 21st Century Grant Program –
Healthy Snack Education**



**Buda 21st Century Grant Program – STEM
Lesson – Turkey Traps**



**Zearing Child Enrichment Center– STEM
and Personal Development in Princeton**



4-H Cloverbud Project Day in Princeton

4-H Cloverbud STEM Day

4-H staff provided STEM learning activities from the 4-H Citizen Scientist curriculum to youth at Zearing Child Enrichment Center in Princeton. The focus was on birds and youth were able to go on a bird hunt, learn different bird sounds, identify different types of birds in Illinois, and make a bird feeder.



4-H Robotics at Ladd School



The LaSalle County 4-H Show & Junior Fair kicked off in LaSalle County on July 12-16, 2017. The 4-H Fair allowed 4-H club members the opportunity to showcase the results of their project work in areas they studied throughout the 4-H year.

LaSalle County 4-H & Youth Development : LaSalle County 4-H Community Clubs



- Awesome Owls
- Corn Belt Kids
- Fox River Warriors
- Leland Ribbon Winner
- Pacesetters
- Bailey Creek Kids
- Dayton Dynamites
- Hoe Down Kids
- Pouncing Panthers
- Brookfield Indians
- Dimmick Braves
- Hustling Hoppers
- North Stars/Star Buds
- South Prairie Pioneers
- Mendota Agri Kids



Extraordinary projects were selected for the Illinois State Fair during the LaSalle County 4-H Show & Junior Fair. Bureau, LaSalle, Marshall and Putnam Counties' day to exhibit at the Illinois State Fair was August 10.



LaSalle County 2017 4-H Youth Development Program Highlights

LaSalle County Special Interest Clubs (SPIN)

Advanced Robotics SPIN Club

Intermediate Robotics SPIN Club

LaSalle County Shooting Sports – Shotgun

LaSalle County Shooting Sports – Archery

LaSalle County Shooting Sports – Rifle (Air & 22)

LaSalle County Shooting Sports – Hunting & Outdoor

LaSalle County Livestock Judging

Special Interest Groups

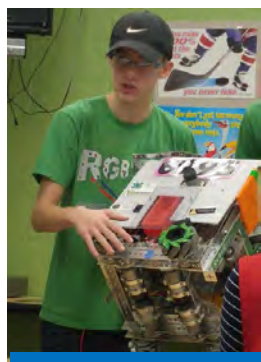
Dog Obedience

4-H Health Jam

4-H Federation



Robotics Competition Team



Robotics

4-H Advanced Robotics SPIN Club

La Salle County 4-H is so proud of our Advanced Robotics Teams! The Advanced Robotics SPIN Club worked diligently throughout the year in preparation for a series of state competitions that led to the FIRST Robotics League State Competition to be held Saturday, January 6, 2018 at IVCC, Oglesby.



LaSalle County 4-H Livestock Judging Team

4-H Livestock Judging Team Competition

Illinois was represented at the American Royal 4-H Livestock Judging Contest in Kansas City by a strong team of 4-H members from LaSalle County. The team finished in fifth place overall. The team earned the right to compete by placing first in the Illinois 4-H Livestock Judging Contest. Contestants judged 10 classes of livestock. The team was coached by LaSalle County volunteers Sharon Reel and Scott Freebairn. The team was supported financially at the national contest by the Illinois 4-H Foundation.



The LaSalle County Livestock Judging Team conducted workshops at various locations to prepare for the State 4-H Livestock Judging Contest that took place in June 2017 in Champaign. The Livestock Judging Team also competed in contests at Illinois Central College and Joliet Junior College in the Spring 2017.

LaSalle County 2017 4-H Youth Development Program Highlights



Youth Livestock Conference

LaSalle County 4-H members, Nick Angus and Matthew Rich, attended the Youth Livestock Conference in Champaign. The Youth Livestock Conference promotes greater understanding of issues related to the livestock industry in Illinois, including production, herd management, marketing, food production, and public relations.

4-H Awards Program

LaSalle County's 4-H Awards Program was held at Pitstick Pavilion in Ottawa. 4-H'ers and their families came together to celebrate a year of hard work, leadership and dedication to personal growth.



4-H Rabbit and Poultry Workshops

A Rabbit Workshop was held at the LaSalle County fairgrounds to help youth learn skills in handling, presenting and identifying the breed of rabbit they are showing at the fair. Manuals were distributed and much information was shared by the Rabbit Superintendents.



Poultry workshops were held to provide the required blood testing, review of health records and assist youth in fair preparation. Superintendents provided demonstrations on how to wash/groom your birds, reviewed show and fair requirements and answered any questions for youth.



4-H Week: National Youth Science Day



National Youth Science Day took place during 4-H week with this year's challenge, *Incredible Wearables*, which gave young people the opportunity to use the engineering design process to build a wearable fitness tracker that will help people lead healthier lifestyles.

Marshall-Putnam County 4-H & Youth Development Highlights



The Marshall-Putnam 4-H Show was held on July 12-16, 2017. Outstanding projects were selected for the Illinois State Fair. Marshall and Putnam Counties' day to exhibit at the Illinois State Fair was August 10.

Marshall-Putnam 4-H Community Clubs

- Bell Plain Hustlers
- Bennington Go-Getters
- Henry Guys & Gals
- L-W Achievers
- Lostant Leaders
- PC Progressors
- Saratoga Leadaways
- Steuben Rangers
- Wenona Highlighters

Special Interest Groups

- 4-H Federation
- 4-H Tech Wizards
- 4-H Health Rocks



2017 4-H Youth Development Program Highlights

4-H Sewing SPIN Club

"Sooo 4-H Sewing" is our SPIN club for youth interested in learning how to sew or for those youth who want to master their sewing skills. New members earned their driver's license for the sewing machine. This year the club welcomed several male members.



AG SPIN

Marshall-Putnam 4-H is excited to bring the AG SPIN club to our members. This club give our members a chance to compete on a variety of AG judging teams. Our Poultry Judging team competed at State Fair and placed second in the state. The judging teams include poultry, meats, livestock and horses. This club had so many members we were able to form a junior and a senior team.

Marshall-Putnam 4-H Special Interest Clubs (SPIN)

- ◆ Dog SPIN Club
- ◆ Sewing SPIN Club
- ◆ Crocheting SPIN Club
- ◆ Marshall-Putnam County Shooting Sports – Shotgun
- ◆ Marshall-Putnam County Shooting Sports – Archery
- ◆ Marshall-Putnam County Shooting Sports – Rifle (Air & 22)
- ◆ Marshall-Putnam County Shooting Sports—Hunting & Outdoor
- ◆ Robotics SPIN Club
- ◆ AG SPIN
- ◆ 4-H Lettuce Bed SPIN Club



Marshall-Putnam Counties
4-H Achievement Night

Conservation Camp

On June 20, the Marshall-Putnam River Conservancy District, with the help of the Marshall-Putnam SWCD and the Marshall-Putnam U of I Extension office, held the annual Conservation Camp at Lake Thunderbird. Grade school aged kids, along with volunteers and presenters offered a day of fun and learning about nature and conservation. A favorite of the youth is the reptile person. He brings in a lot of snakes and reptiles for the kids to hold and become comfortable with them.



4-H Horse Committee

Marshall-Putnam horse members organized a Horse committee this year. The goal of this committee is to raise interest in horses and to update the equipment for our 4-H Horse Show. They also hold several Horse clinics for our 4-H members.

I pledge...

my **head** to clearer thinking,
my **heart** to greater loyalty,
my **hands** to larger service, and
my **health** to better living for
my **club**, my **community**,
my **country**, and my **world**.

2017 4-H Youth Development Program Highlights

4-H Visual Arts Project Day

Henry Community CHARACTER COUNTS! hosts The Artists in Residency each summer. This year the Artists in Residency held an oil painting class for our 4-H members. At the end of the 3 week residency, they had an art showing in downtown Henry. This year they displayed 4-H artwork.



4-H Health Rocks!

4-H Health Rocks! wrapped up its 5th year of programming at Henry-Senachwine Grade School. 6th and 7th grade students learned about prevention education and healthy decision making. The program is taught by 4-H Teen Teachers from Henry-Senachwine High School who are trained and supported by Extension staff.



Marshall-Putnam 4-H Robotics finished the EV3 Platform curriculum consisting of a mixture of construction, programming, and engineering of robots. Members participate in the State 4-H Robotics competition in the spring.



4-H Polite is Right teaches social skills and encourages the use of considerate behavior. It helps youth gain respect for others and helps prevent bullying. The program is delivered in 6 sessions in each classroom to Henry in the fall and in Midland in the spring by Extension staff.

The Summer Sizzle Shoot Competition

was held on Saturday June 3, 2017 at the Chillicothe Sportsmen's Club. 4-H members from across the state came to compete in this shoot in either archery, .22 rifle, air rifle, and shotgun. University of Illinois Extension – Bureau, LaSalle and Marshall-Putnam Unit has hosted this event for six years.



Extension Provides Commercial Agriculture Education

- ◆ **Private Pesticide Applicator Training and Testing**
Sessions were held to teach applicators to safely handle and apply restricted use pesticides. The Illinois Department of Agriculture provided testing at each of the sessions.
- ◆ **Regional Beef Cattle Meeting, January 25, 2017 at Illinois Valley Community College.** Presentations were provided by Dr. Buzz Iliff, DVM, and Travis Meteer, Extension Specialist/Commercial Agriculture Beef Educator. Beef industry representatives also presented topics.



Travis Meteer, Extension Beef Specialist, discusses topics that will help beef cattle producers make profit driven decisions.

- ◆ **Soil Fertility Seminar/Webinar for Certified Crop Advisors, February 28, 2017.** CCAs (farm managers, chemical, fertilizer and seed dealers) earned up to 5.0 CEU's in Nutrient Management.
- ◆ **University of Illinois Extension Agronomy Night Tuesday, February 21, 2017 at Illinois Valley Community College.**

Russ Higgins, Extension Educator, Commercial Agriculture, Northern Illinois Agronomy Research center spoke on the following topics: important agronomic/crop production issues that affect our area, troubleshooting problem areas that are directly linked to our soils, how we get the most from our inputs and updated summary of 2016 Northern Research Farm results.

- ◆ **Conservation Reserve/Wildlife Habitat Program: "A Night of Conservation", Tuesday, March 21, 2017 at the LaSalle County Farm Bureau Building**
- ◆ Attendees learned about updates with CRP, improving wildlife habitat, prescribed burning, conservation mowing, wildlife releases and more. The program was co-sponsored by LaSalle County Farm Bureau, LaSalle County NRCS, Pheasants Forever, and University of Illinois Extension.

Farm Management: Outlook & Ag Leasing Seminar/ Farm Bill Program, January 10, 2017 at Illinois Valley Community College.



Dr. Jonathan Coppess—University of Illinois Clinical Assistant Professor of Law and Policy Director, Bock Agricultural Law & Policy Program & Extension Specialist from the Department of Agriculture & Consumer Economics, covered Farm Bill information.



Dr. Gary Schnitkey, University of Illinois Professor, Agricultural and Consumer Economics and Extension Specialist/Farm Management, discusses unbiased information about farm leasing and the economic outlook.

Lady Landowners Conservation, March 7, 2017

Soil management for higher yields, weed resistance and basic crop marketing strategies were discussed. Russ Higgins, University of Illinois Extension Commercial Ag Educator and Dr. Gary Schnitkey, University of Illinois Ag Professor were speakers. Co-sponsored with Bureau County Farm Bureau and Farm Service Agencies held at Bureau County Farm Bureau, Princeton.



UNIVERSITY OF ILLINOIS EXTENSION AND ILLINOIS VALLEY COMMUNITY COLLEGE PARTNERSHIP FOR AGRICULTURE EDUCATION

Highlights of 2017 Impacts:

- ◆ The new IVCC Ag Program continues to grow in numbers of students.
- ◆ New Ag classes were added in the 2017/2018 school year.
- ◆ New AAS Degree in Agricultural Business Management started fall 2017.
- ◆ New IVCC Ag Club started in 2017.
- ◆ Planning is underway for the new AAS Degree in Agronomy in fall 2018.
- ◆ Extension conducted a field scale soybean population study on the IVCC Farm with the assistance of the farmer/cooperator. A field day, “Growing Farm Returns Through Soil Health”, was held in August sponsored by Soil Health Partnership, IVCC and Extension.
- ◆ Extension & IVCC hosted a visit by University of Illinois College of Agriculture and Environmental Sciences (ACES) Dean, Dr. Kimberlee Kidwell, ACES Department Heads and Extension’s Administration, to enhance communication and future partnership opportunities for collaborative projects. Local stakeholders participated in this special event.
- ◆ Extension assisted in the Ag Open Houses held at IVCC and the U of I College of ACES was represented for student enrollment and transfer information.
- ◆ Extension, IVCC and Northern Partners offered a new Agriculture Operator’s Certificate Program for spring 2018.
- ◆ University of Illinois Extension and the College of ACES offered a new scholarship opportunity for local students enrolling in the College of ACES.
- ◆ University of Illinois Extension conducted in-depth agriculture education programs on the IVCC campus including: pesticide safety education, farm outlook and ag leasing, regional beef cattle seminar, agronomy and crop production education, and a day long soil fertility seminar.





Please join us in our Partnership for Education between University of Illinois Extension and Illinois Valley Community College as we establish, expand and enhance educational services and programs to youth and adults across the district including Bureau, LaSalle, Marshall and Putnam Counties.



Focus Areas:

- ◆ Establish a centralized office location and new partnerships on the IVCC campus to reach more youth and adults and improve efficiencies and enhance services
- ◆ Utilize University of Illinois Extension and its research-based land grant system
- ◆ Connect with the University of Illinois in new ways bringing more opportunities to our area
- ◆ Form new local collaborations to build on strengths and resources for the common good including expanding the reach of 4-H youth programming
- ◆ Create greater visibility and access to services for people of the district
- ◆ Benefit through the synergy of working together to accomplish goals and to bring youth and communities together to meet common goals



- ◆ Utilize the new Peter Miller Community Technology Center at IVCC bringing regional programs for youth and agriculture to the state of the art meeting/conference rooms, healthy lifestyle and cooking schools at the new training kitchen and exercise room, presentations and events in the Cultural Center/stage, and more!
- ◆ Offer/develop specialized programming to address local issues, needs and concerns through community involvement

New educational program initiatives will address current issues and meet local needs and strengthen communities by improving services for the people of our area including:

4-H & Youth Development Education:

Leadership & workforce development with training series to prepare teens for considering employment, entrepreneurship, careers and trades

- ◆ Real life, hands-on experiences through the research-based 4-H Program: the largest youth program in the world
- ◆ Living on your own: life skills to prepare teens for financial and day-to-day decision making as they enter adulthood
- ◆ Younger youth mentored by IVCC students



Healthy Lifestyle Education for Youth and Adults:

- The critical need for living a healthy lifestyle: good nutrition & being active every day and addressing the national health concern of obesity

Agriculture and Natural Resources Education:

- Meeting needs and bridging gaps with specialized programming to enhance operations for farmers, agribusinesses, and local stakeholders
- Expanded natural resources educational programming and support including Master Naturalist and Master Gardener Volunteer training & programming





2017 Marshall-Putnam Extension's Ag in the Classroom



Marshall Putnam Extension's Ag in the Classroom (AITC) serves the schools and communities throughout Marshall and Putnam Counties. The program provides classroom presentations and resources for Prekindergarten through eighth grade students on agricultural topics, coordinates High School FFA teaching experiences in the elementary schools, provides free loan of resources and kits, distributes newsletters for educators, organizes teacher workshops and participates in education opportunities at community events.

During the school year AITC reached over 1500 unduplicated elementary students. Forty nine classrooms received programming numerous times throughout the year. AITC programs take on a wide variety of curriculum topics ranging from math and language arts to social studies and science.

- Fifth grade students learned how cheese is made. In groups of two they made simple cheese by coagulating milk with vinegar. A new ingredient introduced was rennet, an enzyme found in calves' stomachs used to start the cheese making processes.
- Fourth grade students spun strands of real wool into two-ply yarn. These students participate in the "Kid Knit" project. Wool yarn is purchased by the school from women in Rwanda. The students knit stocking caps on circular looms. The AITC Wool lesson and activity supplements their classroom project with information about the wool industry.
- Third grade students used critical thinking skills to decipher clues for the Breakout Box activity. They needed to unlock a series of locks on the box to retrieve Tom Turkey's pardon right before Thanksgiving. The Breakout Box is a new addition to the AITC inventory and will be used to challenge students to collaborate with classmates and solve problems while learning about an agriculture topic.
- Second grade students made terrariums in two liter bottles to observe a miniature water cycle as part of the AITC water cycle lesson.
- First grade students located wheat kernels on stalks of wheat. Grinding wheat into flour was demonstrated. The lesson continued with using the flour to make pancakes which the students then consumed. This lesson takes the student from commodity to food for the table.
- Kindergarten students identified the farm source of everything that is included in a cheeseburger.
- Prekindergarten students practiced categorizing fruits and vegetables while learning about the "My Plate" guide to healthy eating during the AITC nutrition lesson.
- Embryology continues to be a popular unit. Nine classrooms took on this project in April.

Students at Putman County Primary were excited to begin their embryology project.



- In November, twenty three FFA high school students from Putnam County and Midland high schools visited University of Illinois Research Park. They heard presentations from Agrilbe, Syngenta and Granular. These research offices employ many U of I grad students. AITC worked with Marshall-Putnam Farm Bureau to make this career trip possible.



2017 Marshall-Putnam Ag in the Classroom

ILLINOIS
Extension



Illinois
AGRICULTURE
in the Classroom



Teachers participated in a variety of educational activities during the summer AITC workshop, "Teach Me to Be A Good Steward of the Land".



In early June, "Teach Me to Be a Good Steward of the Land", a six hour workshop for K-8 teachers was held at the University of Illinois Extension Marshall-Putnam

Office. This workshop featured numerous lessons and resources that teachers could use in their classrooms. Emily Rogier and Tamara Nelson from IAA Natural and Environmental Resources Department presented a PowerPoint entitled "Illinois Farmers Implement the NLRs. Most teachers were unfamiliar with the dead zone in the Gulf of Mexico. A fieldtrip was taken to view best management practices currently being used on nearby farms. The fieldtrip ended at the Dixon Wildlife Refuge where teachers were treated to the history of the wetlands reclamation.



FFA Student leaders discussed results of the absorbency test with students in Henry-Senachwine fifth grade.

AITC worked cooperatively with Marshall-Putnam Farm Bureau to bring ImAGination Acres to the Marshall-Putnam



Fair for the fifth year. Two new attractions were added this year: a mock grain elevator, tugboat and two barges plus a farm table featuring farm animals.

ImAGination Acres was well attended each day of the five day Marshall-Putnam Fair



Erik Johnson, M.Ed, from University of Illinois shared information about the College of ACES with high school students at our annual College Day.

The annual College Day was held on November 8. Representatives from all state universities plus area community colleges shared information about their respective programs with high school students. Seventy students attended. This event was sponsored by Marshall-Putnam, Bureau, and Stark County Farm Bureaus and assisted by University of Illinois Extension Marshall-Putnam Extension.

Midland FFA students taught two lessons in Midland and Henry-Senachwine fifth grade classrooms. *Science in My Shopping Cart* had the students test different unknowns for absorbency. They were introduced to "Super Slurper," one of ag research's discoveries. *The Ice Cream Experiment* had students making ice cream using different types of milk to compare the end products. This year fifteen FFA members were involved.

2017 Illinois Master Gardener Conference and Awards Ceremony in Normal, Illinois

Illinois Master Gardeners celebrated state award winners and discovered gardening through the ages on Friday, September 8th at the Radisson Hotel in Normal.



Marshall-Putnam Master Gardeners Barb Dahlbach (right) & Sharon Gallup (left) were recognized at the 2017 Master Gardener Conference

Barb Dahlbach received a Master Gardener of the Year award. For the past three years Barb has been commanding a program of outreach with Marshall-Putnam Master Gardeners. This program of healthy vegetable gardening teaches bringing healthy food from seed to the table. Barb and the group work with local food pantries to bring vegetable gardening concepts that people can use to grow their own food for their table.

Sharon Gallup received the Sustained Excellence Award. Sharon is the foundation rock of the Marshall-Putnam Master Gardeners and Naturalists. A Master Gardener since 2008, she also received the Outstanding Master Gardener Award in 2016. Sharon is involved in many aspects of the Master Gardeners from leading committees and teaching, making copies of handouts for webinars and mentoring others. She contributed over 300 volunteer hours in 2017.

2017 Extension Master Gardener & Master Naturalist Program Highlights

Extension has 65 Master Naturalists in Bureau, LaSalle, Marshall and Putnam Counties. They volunteered at 11 different community service projects for a total of 1,316 hours of service units in 2017.

Extension has 91 Master Gardeners in Bureau, LaSalle, Marshall and Putnam Counties. They volunteered at 11 different community service projects for a total of 1572 hours of service. This is a total value of \$69,716.



2,888

Volunteer Hours provided by local Master Gardeners and Master Naturalists



\$69,716.

Value of volunteer time benefitting our counties, communities and residents

Master Gardener & Master Naturalist Community Service Projects in 2017 included:

- › Bureau County 4-H Fair
- › LaSalle County 4-H Show & Junior Fair
- › Marshall-Putnam 4-H Show
- › Hegler Park Farmer’s Market, LaSalle
- › Princeton Farmer’s Market
- › Oglesby Farmer’s Market
- › Ottawa Farmer’s Market
- › Amboy Marsh
- › Dayton Bluff
- › Starved Rock State Park
- › Utica Garden Walk
- › 4-H Workshops—Youth Gardening
- › Healthy Garden Project, Henry
- › Plant a Row (PAR) Fresh Produce Donations
- › Hennepin & Hopper Lakes, Dixon Wetlands
- › Ottawa Butterfly Garden/Artist Pallet
- › Bureau County Courthouse
- › IVCC Ottawa Center
- › Ottawa Food Pantry
- › Soldier & Sailors Park, Princeton

2017 Nutrition & Wellness Program Highlights



Chronic Disease Prevention and Management Programs provide research-based education information and teach life skills to assist residents trying to prevent, manage or care for a loved one with a chronic disease.

Statewide programming: I on Diabetes and Meals for a Healthy Heart were offered locally.

I on Diabetes provided 12 hours of education and included learning how to monitor blood sugar and decrease risk factors.

Meals for a Healthy Heart provided 6 hours of education. Research-based information was shared on how to decrease fats and sodium. The DASH Diet was reviewed.

In each program, participants learned how to make meals that met the guidelines from the American Diabetes Association, American Heart Association and Dietary Guidelines. Resources, recipes and hands-on demonstrations were provided.

Nutrition Education Programs offered throughout Bureau, LaSalle, Marshall and Putnam Counties.

Through statistical analysis of our Nutrition Education Programs, participants have increased their knowledge and developed a new awareness and understanding of how to make healthier choices.

Nutrition education classes provided research-based educational information to engage residents with choosing healthier foods, cooking safely and decreasing risk factors for chronic disease.

Each program is unique but offers a common theme to reduce sugar, sodium and saturated fat. Resources and recipes were provided to assist participants with making healthy lifestyle changes. The following programs were offered:

- **Comfort Food Makeovers**
- **Cooking for One or Two**
- **Eating to Reduce the Risk of Diabetes**
- **Heart Healthy Meals**
- **Eat Well, Spend Less**
- **Slow Cooker Meals**
- **Hearty Soups and Stews**
- **Food Budgeting**
- **Creating Healthy Appetizers**
- **Eat Smart for Brain Health**

Nutrition & Education Youth Program Highlights

Youth in LaSalle, Bureau, Marshall and Putnam Counties participated in “Are You Smarter Than a Food Label,” interactive nutrition education classes learning to read nutrition labels and choose healthier foods like low-fat dairy, fruits & vegetables.



Bureau Valley South School



Neponset School



Northlawn School, Streator

One classroom teacher said, “I felt the students learned a lot of valuable information that they can use for the rest of their lives. The information presented will benefit a healthy lifestyle.”

An interdisciplinary food preservation class taught to 4-H Tech Wizards included food preservation education and skill development. Using the 4-H “Put it Up” curriculum, Susan Glassman provided food safety and preservation resources to teach youth the science of pH values in preserving foods safely.



Using “Put it Up,” youth preserved over 30 jars of salsa using a water-bath canner with Tech Wizards group leader, Aaron Lindstrom, assisting.

Illinois State Board of Education/ Smarter Lunchroom Grant

Susan Glassman, University of Illinois Nutrition & Wellness Educator, presents how to identify parts of a USDA recipe.



Training was provided by Extension through collaborations with local regional offices of education covering Bureau, LaSalle, Marshall and Putnam Counties. Training for school nutrition staff was held during the year providing required training that counted towards Illinois State Board of Education mandatory training hours. Additional trainings were provided along with resources for school nutrition staff to utilize at their schools. Trainings were held to meet individual school's needs for schools in Bureau, LaSalle, Marshall and Putnam Counties.

Hispanic Health Project Diabetes

Project Diabetes, a Latino Pilot Project, offered 6 hours of education at Mendota's Graves-Hume Public Library in collaboration with **Community Health Partnership of Illinois (CHP)**. This pilot program was offered to residents including the migrant worker population. Community Health Partnership provided the English to Spanish translator for the program and recruited Hispanic participants. Along with resources like Extension's "Fiesta of Flavors" website, participants learned to prevent, manage or care for someone with diabetes. Evaluations indicated that participants would like to learn more about:

- *healthy eating*
- *healthy cooking methods*
- *lifestyle changes to control diabetes*
- *how to cook main dishes, sides and desserts*



A new collaboration with Illinois Valley Community College's English as a Second Language Program began in Fall 2017. Susan Glassman, Extension Nutrition & Wellness Educator, offered Optimal Nutrition classes to all students in the ESL program.

Feedback to Glassman from the director of Adult Education, Sara Escatel included the following:

"You did a phenomenal job with our ESL students today. Thank you so much for taking the time to show our students some fascinating ways to cook, eat well and remain healthy. I know for a fact our students loved your presentation and the activity was so creative and delicious. I can't wait until the next time. Thanks again."

2017 Community & Economic Development Program Highlights



Each year, county, township, and municipal elected and appointed officials and administrators learn through the Local Government Education Webinar Series. Participants benefit from the advanced instruction and broad expertise that instructors bring to our programming, as well as from the question and answer session following each presentation. In 2017, 1400 local government officials, including representatives from Bureau, LaSalle, Marshall and Putnam counties, learned through the live webinars and program recordings on a variety of topics. For more information, visit go.illinois.edu/lge.

- › January 20, 2017, 2016 Legislative Update
- › February 16, 2017, Investing in Building Energy Savings
- › March 15, 2017, Municipal Water Systems and County-wide Solutions
- › April 20, 2017, Illinois Broadband: Federal Policy Framework
- › June 8, 2017, Disaster Preparedness on One Hand: 5 Things Every Elected Official should know about Disaster Preparedness
- › September 28, 2017, Five Strategies for Attracting and Retaining Youth in Rural Communities
- › November 9, 2017, The Opioid Crisis: Community Strategies for Treatment and Recovery
- › November 16, 2017, Social Determinants of Health and Community-Based Interventions
- › December, 7, 2017 Health in Policies All Local Government

Extension worked with communities of Princeton and Oglesby to provide Community & Economic Development Specialist support from campus.

EXTENSION PROVIDES EDUCATIONAL PROGRAMMING TO BUREAU COUNTY AND LaSALLE COUNTY HOME & COMMUNITY EDUCATION (H.C.E.) ASSOCIATIONS

A variety of research-based educational programs were provided by Extension Educators to members of the HCE Associations in both Bureau & LaSalle Counties; the members then re-teach the lessons in their local communities. Topics included: Eggs, Modern Food Trends, Superfoods to the Rescue, I'm Positive I'm Aging, Hold

That Thought: Brain Health, Simplify Your Life by Clearing the Clutter, Financial Elder Exploitation and New

Ways to Cut Your Electricity Bill.



Bureau County Home & Community Education Association Board



LaSalle County Home & Community Education Association Board

SNAP-Ed and Illinois Nutrition Education Program

Illinois Supplemental Nutrition Assistance Program Education

Helping Illinois Residents Make Healthy Choices Every Day

- INEP provides nutrition and wellness outreach throughout the state, engaging communities at multiple levels. INEP's goal is to help participants make healthy living a natural part of their everyday lives through research-driven information on nutrition and physical activity while working towards policy, systems and environmental change. We are building healthier families and communities with Illinois Nutrition Education Programs.



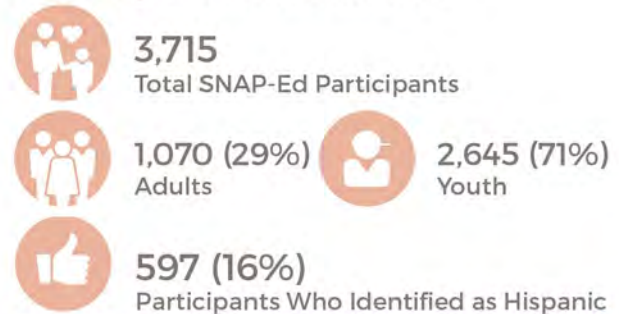
- INEP staff work with a variety of community organizations to ensure that low-income families have access to information on good nutrition and physical activity. These community partners may include local health departments, food pantries, WIC clinics, Head Start and other eligible preschool sites, senior citizen centers, Family Community Resource Centers, housing authorities, eligible schools, grocery stores, and community centers. INEP provides classes that teach participants how to use their food dollars wisely, select healthy foods for their families, prepare and store food safely, and balance food intake with physical activity.



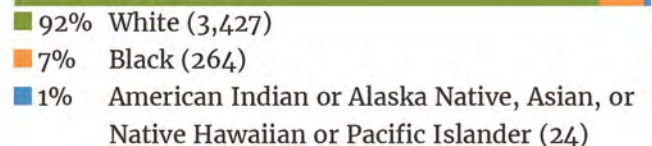
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM EDUCATION (SNAP-Education)

SNAP-Education works with limited-resource audiences to make healthier choices where they eat, shop, live, play and learn in their communities. Through classes and workshops, and by working towards policy, systems, and environmental changes, SNAP-Education positively impacts the nutrition and activity choices of people and communities we serve.

Serving Local Residents



RACE OF PARTICIPANTS



Our Partners



SNAP-Ed and Illinois Nutrition Education Program

SNAP-Education helps those in need make healthier choices by reaching people where they are in their communities with interactive classes and activity stations, and by working towards policy, systems, and environmental changes to encourage healthier behaviors.

- Schools
- Food Pantries/Food Assistance
- Early Childhood/HeadStart/Preschool
- FCRC/TANF (Family Community Resource Center/ Temporary Assistance for Needy Families)
- Community Organizations
- WIC (Women, Infants, Children)



Illinois Junior Chefs is University of Illinois Extension's new cooking school curriculum for youth ages 8-13. Teen teachers from 4-H and Extension staff with the Illinois Nutrition Education Programs work together to provide a fun, engaging program that allows youth to learn about nutrition, try new healthful recipes, and gain new kitchen skills. Physical activity is also encouraged during classes to aid in promoting an overall healthy lifestyle.



**Summer 2017
serving: DePue,
Neponset, Mendota,
Spring Valley and
Oglesby**



Extension Leverages Money to Invest in Services to Local People and Educational Programs

In 2017, University of Illinois Extension brought grants and funding sources totaling \$1,100,186. to provide additional services to our local people.

Fiscal Year 2017/2018

Grants Extension Brings to Serve Local People—\$1,041,919.

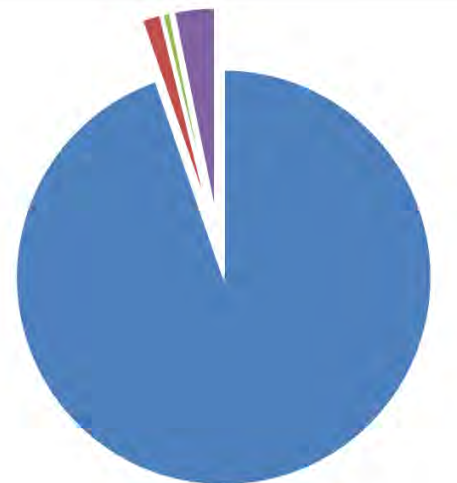
Smith Lever Funds—\$16,200.

Computer Technology Support—\$6,645.

State General Revenue Funds—\$35,422.

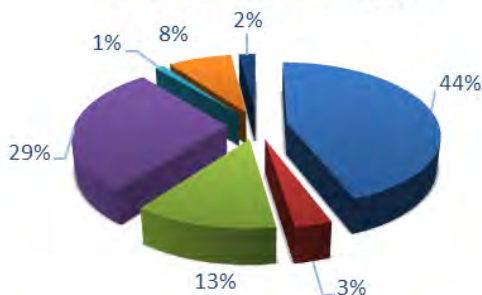
Total Dollars Leveraged—\$1,100,186.

Note: Due to lack of an Illinois State Budget, Extension's State Matching Funds were suspended by the State effective July 1, 2015. Emergency funds, local fundraising and support from State Extension is keeping core programs in place.



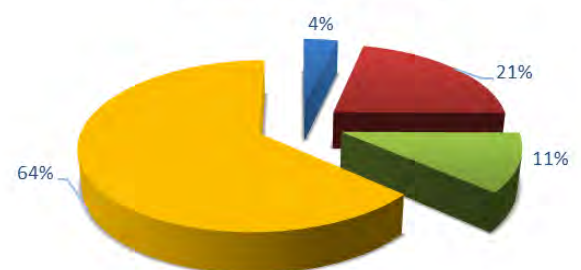
- Grants Extension Brings to Serve Local People
- Smith Lever Funds
- Computer Technology Support
- State General Revenue Funds

FY 17/18 Income



- Local Donations
- Local Non-Matching Sources
- Grants in Budget
- Federal Smith-Lever Funds
- State 4-H Premiums
- State Matching Funds Suspended by State
- State General Revenue Funds/IDOA

FY 17/18 Expenses



- Travel
- Program
- Rent
- Wages

County Extension Director

Jill Guynn

Educators

Breanne Suarez,
Youth Development Educator

Susan Glassman,
Nutrition and Wellness Educator

Vicki Gerberich
*Visiting Extension Educator, Family and
Consumer Science (SNAP-Ed)*

Program Coordinators

Sherry Todas,
Illinois Nutrition Education Program

Danielle Saletzki *4-H and Youth
Development, Bureau County*

Toni Pienta, *4-H and Youth
Development, LaSalle County*

Anne Scheel, *4-H and Youth
Development, Marshall-Putnam Counties*

Community Workers

Jani Kidd, *Illinois Nutrition Education
Program*

Tina Pienta, *Illinois Nutrition Education
Program*

Mary Beth Ponsetti, *Illinois Nutrition
Education Program*

Julie Read, *Ag in the Classroom, Marshall-
Putnam Counties*

Office Support Specialist

Bonnie Burkman, *Unit 8 Fiscal*

Nikki Van Nielen, *Unit 8 Fiscal*

Office Support Associates

Brooke Welte, *Bureau County*

Linda Reynolds, *LaSalle County*

Barb Krug, *LaSalle County*

Marilyn Smith,
Marshall-Putnam Counties

Extra Help

Lynn Delaney,
Marketing & Fund Development

Daryle Wragge,
Agriculture Program Coordinator

Aaron Lindstrom,
4-H Tech Wizards Program Coordinator

Multi-County Unit Council Members

Francis Morse * Cyndi Olson
Hugo Heredia * Judy Wright
Lynne Weber * Monico Nunez
Teri Rossman * Steve Tuftie
David Torres * Chad Wilson
Ken Dau * John Ehrhardt
Dennis Bogner * Steve Reichman
Luke Holly * Steve Wilson
Sandra Woest

OFFICE LOCATIONS

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Illinois Valley Community College
815 North Orlando Smith Road
Oglesby, IL 61348
815-224-0889

Bureau County Extension Office
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Princeton, IL 61356
815-875-2878

LaSalle County Extension Office
1689 N. 31st Road
Ottawa, IL 61350
815-433-0707

Marshall-Putnam Extension Office
509 Front Street
Henry, IL 61537
309-364-2356



UNIVERSITY OF ILLINOIS
EXTENSION

College of Agricultural, Consumer and Environmental Sciences

University of Illinois ~ U.S. Department of Agriculture ~ Local Extension Councils Cooperating

University of Illinois Extension provides equal opportunities in programs and employment.

If you need a reasonable accommodation to participate in any program, please contact the county Extension Office.

The Illinois Nutrition Education Program is funded by the Supplemental Nutrition Assistance Program (SNAP).