



Ingham County

# 4-H Family News

February 8, 2019

## Weekly Happenings

Feb 12—Recordkeeping Workshop—6:30 pm—Fairgrounds (RSVP needed)  
Feb 16—Beef/Dairy Market Tagging—8-11 am—MSU Beef Research Farm  
Feb 17—Steam Sundays—10 am—4:30 pm—Fairgrounds—Leadership & Communications

Feb 18—4-H Office Closed—Presidents' Day  
Feb 24—Day at the Breslin—2 pm—MSU Breslin Center  
Feb 27—Goat Council Meeting—6:30 pm—Hilliard  
Mar 6—Livestock Committee Meeting—6:30 pm—Hilliard



## Swine Program Meeting



Sunday, Feb 10

## Make the Most of Your 4-H Market Project

**February 12—Record Keeping**

**DATE & TIME:** every second Tuesday until July at 6:30 p.m. at Fairgrounds **FREE**

Develop your marketing and communication skills while marketing your 4-H auction project.. Develop your skills to effectively communicate with your potential buyers before and after the auction. This program is open to any Ingham County 4-H and FFA youth participating an any livestock or still-life auction at the fair. You can choose to participate in one or all of the series.

### PRE-REGISTRATION REQUIRED

Please [RSVP](https://goo.gl/forms/ZcOaRObMyMB7r67I2) at <https://goo.gl/forms/ZcOaRObMyMB7r67I2> or contact Glenda at [weissgle@msu.edu](mailto:weissgle@msu.edu); (517)676-7303



### MONTHLY SCHEDULE

February—Record Keeping

March—Budgeting

April—Written Communication

May—Verbal Communication

June—Practice Meeting Buyers

July—Breaking Even

## Contact Us

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<http://ce.ingham.org/4H.aspx>

[Facebook](https://www.facebook.com/Ingham4H)

<https://www.facebook.com/Ingham4H>

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## Beef and Dairy Market Steer Tagging

If you plan to show your beef or market steer at the Ingham County Fair in 2019, please mark your calendar for this required tagging date. Cattle can **ONLY** be tagged prior to 2/16/19. **If you are unable to make it to the tagging, you must contact the Superintendent to get tags. Those that don't weigh in at MSU will not be eligible for rate of gain class.**

### Saturday, February 16, 2019

8:00-11:00 a.m.

MSU Beef Cattle Research Center  
3200 Bennett Rd. East Lansing, MI

\$2.00 charge on day of tagging for every animal tagged.  
\$1.00 charge on day of tagging if you implant your animal.

Contact Superintendent Dan Dunsmore at 676-1730,  
Superintendent Jeff Graf at 749-2978, or  
the 4-H Office at 676-7207 with questions.



## Swine Program Meeting—February 10

A swine meeting is scheduled for Sunday February 10 from 2 pm till 3:30 pm at the Community Building at the fairgrounds. This is a time for anyone that would like to talk about the swine program at the fair for 2019, learn about opportunities to be involved and give input.

Everyone is invited to come - those already in the swine program and definitely for those who are new to showing swine.

For questions, please contact the Superintendent, Kim Harkness, at 589-8147



### Save the Dates:

#### Beef & Market Dairy

Feb 16—Beef & Dairy Steer Tagging

#### Market Project

Feb 12—Record Keeping  
Mar 12—Budgeting  
Apr 9—Written Comm.  
May 14—Verbal Comm.  
June 11—Meeting Buyers  
July 9—Breaking Even

#### Dairy Market Feeders

Mar 24— Feeder Tagging  
2-4 pm

#### Sheep

May 11— Sheep Tagging  
11 am—1:30 pm

#### Rabbit (Date Correction)

June 26— Rabbit Tattoo  
6-7 pm

Be sure to join our new swine Facebook group:

**Ingham County  
4H/FFA Swine  
Program**

## 4-H Fair Superintendent Openings

### 3 open positions

- Pets
- Fine Arts
- Clothing & Textiles

If interested, please contact Glenda Weiss, 4-H Program Coord., at 676-7303.



## 2019 FAIR CHANGES FOR DOGS

A couple very important changes this year:

#1. Date of fair dog show is **SATURDAY July 20, 2019**

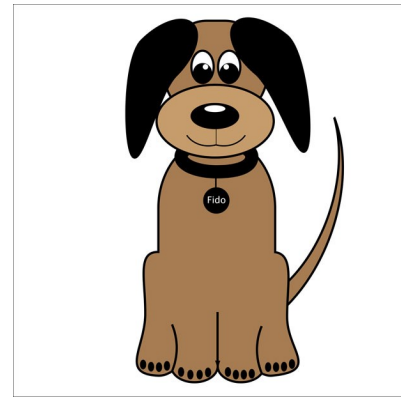
It is now 6 days earlier than the traditional "last Friday of July" in response to those worried about all the start of fair conflicts. We will have the pavilion pretty much to ourselves! And hopefully this date eliminates most of the conflicts and concerns!

Agility will still be outside in Ash Street Arena, weather permitting as that surface is best for the dogs but all else will be 3 rings going at once side by side inside the Main Arena.

#2. There will soon be a new 2019 May 1st Form. It will be similar to the pre fair registration for horses where you check the class you plan to enter. The new form will be sent to all those members who submitted May 1st forms last year.

#3. Anyone using a dog not from their family or an immediate family member **MUST** have an approved Lease form on file prior to May 1st. Contact Superintendent for form or any questions.

A member leasing a dog for the DOG CARE project must be involved in the day to day care of the dog not just practicing with it or taking it to training classes. Preferably the dog will live with the member for most of the duration of the project year.



## 2019 FAIR CHANGES FOR HOMEGROWN CLASS

Rules for exhibiting your 4-H project in homegrown class at the fair:

1. Youth must be in possession of and own or lease (with written documentation) the mother of the animal being exhibited at the time of birth of the project animal.
2. Youth must contact 4-H/FFA leader and leader must validate animals birth, possession of animal and Dam, and send validation form in to the 4-H office no later than March 15.
3. The project animal and Dam must be housed on the property of the youth's immediate family (parents or grandparents) throughout the duration of the entire project cycle.
4. Project animal being exhibited at the fair must also be entered as an individual in a market class.
5. Only one entry per exhibitor per species.
6. Youth is to provide at least 80% of management and labor for project animal.
7. A record keeping component will be required to be turned in to the species superintendent upon check-in at fair. Swine exhibitors enter Tom Stid Award; Beef and Sheep exhibitors enter record keeping book. (please note any of these records may also be exhibited in the Personal Development (still exhibit) classes at the fair, must be entered on registration form in both departments)

## 4-H STEAM Sundays (RSVP Required)

STEAM Sunday's are designed to give youth ages 8-19 the opportunity to participate in STEAM themed programs without having to join a formal 4-H club. On each scheduled Sunday, youth will dive deep into topics that explore a variety of discipline's. Youth are free to pick and choose which workshops they would like to attend or attend them all.

### COST:

- Current 4-H member: **FREE**
- Non 4-H member: one-time \$20 annual participation fee. (Scholarships available)
- May be a small material fee associated with individual STEAM Sunday activities.

To participate in STEAM Sunday workshops, youth must be registered by the Monday prior to the workshop date. To register go into 4honline.com and add each workshop as an additional club, or email Ashleigh Apel at [apelashl@msu.edu](mailto:apelashl@msu.edu) to RSVP your spot. Agendas for each workshop will be sent out Tuesday morning prior to workshop date to registered youth only to inform you of any potential supply fees and what youth need to bring for that day.

For class descriptions, please see the flyer on page 3 of the Cloverleaf. Also, take a look at other spin class sessions being offered.

For more information, contact SPIN Club Coordinator Ashleigh Apel, 517-887-4581 or [apelashl@msu.edu](mailto:apelashl@msu.edu)

**DATE & TIME:**  
**Sunday's 10am-4:30pm**  
**Feb 17: Leadership & Communications**  
**Mar 3: Forensic Science**  
**Mar17: China Art Exchange**  
**Apr 7: Mission to Mars**  
**Apr 28: Environmental Science & Citizenship**  
**May 5: Ornithology-Birds**

## 4-H Day at the Breslin Center

**Tickets available in 4-H Office while supplies last**

Join us for the fourteenth annual celebration of MSU Extension 4-H Youth Development at the MSU Women's Basketball game. The Spartans will host the University of Michigan at 2:00 p.m. on Sunday, February 24, 2019 at the Breslin Center on MSU's campus, gates open at 12:30 p.m. Come early to enjoy all the fun activities going on around the concourse.

**TICKETS ARE FREE** for 4-H youth and their families, along with 4-H volunteers.





### 4-H STEAM Karate SPIN Club

**When:** Fridays  
March 15– April 26, 2019  
From 6pm-7pm (Subject to change)

**Where:**  
The Peoples Church  
200 W Grand River Ave,  
East Lansing, MI 48823

For more information contact the SPIN club coordinator Ashleigh Apel via email [apelash@msu.edu](mailto:apelash@msu.edu) or by phone 517-887-4581



**TARGET AUDIENCE:** All youth ages 6-13 as of January 1, 2019 interested in having fun and learning the key fundamentals of Karate.

**PROGRAM SUMMARY:** Youth will learn the basic techniques of Isshinryu Karate, as well as some basic self-defense techniques. Additionally, youth will learn great concentration, focus, and better their listening skills, and even learn how to count and say commands in Japanese. Youth will learn what martial arts is all about, and how it relates not only to STEAM, but everything they do in everyday life.

**ABOUT YOUR LEADER:** The program will be instructed by Joshua Klein, a sophomore at Michigan State University studying actuarial science. He has been training in Isshinryu Karate, a Japanese style of karate, since he was 3 years old, has been instructing classes since he was 13. He also currently trains with the MSU Karate Club in a style called Pukang Tang Soo Do, a Korean style karate, and is the secretary of the club. As a second degree black belt he has lots of knowledge willing to share with you!

**HOW TO APPLY:** Must be a registered 4-H member to join. Go to [mi.4honline.com](http://mi.4honline.com) to register. Look for the STEAM Karate SPIN Club when signing up.

Current 4-H member: Free

Non 4-H member: One time \$20 annual 4-H participation fee that includes access to all 4-H activities and clubs. Scholarships available, contact the SPIN club coordinator for more information.

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### Ingham County 4-H STEAM Sunday's

**DATE & TIME:**  
Sunday's 10am-4:30pm  
Feb 3: Aerodynamics  
Feb 17: Leadership & Communications

Mar 3: Forensic Science  
Mar 17: China Art Exchange  
Apr 7: Mission to Mars  
Apr 28: Environmental Science & Citizenship  
May 5: Ornithology – Birds  
\*Must be registered by the Monday prior to workshop date.

**LOCATION:** Ingham Co. Fairgrounds 700 E Ash St, Mason, MI—Community Hall

**COST:**

- Current 4-H member: Free
- Non 4-H member: one-time \$20 annual participation fee. Scholarships available
- May be a small material fee associated with individual STEAM Sunday activities.
- To register go to [mi.4honline.com](http://mi.4honline.com) or email contact below to RSVP your spot in each workshop (each is a different club). Limited spots available, register soon.

**CONTACT:**  
SPIN Club Coordinator  
Ashleigh Apel, 517-887-4581 or [apelash@msu.edu](mailto:apelash@msu.edu)



**WHO SHOULD ATTEND:** Any youth ages 8-19 as of January 1, 2019 interested in participating in one or all workshops!

**DESCRIPTION:** STEAM Sunday's are designed to give youth the opportunity to participate in STEAM themed programs without having to join a formal 4-H club. On each scheduled Sunday youth will dive deep into topics that explore a variety of discipline's. Youth are free to pick and choose which workshops they would like to attend or attend them all.

**Aerodynamics:** Explore, engineer, and design different levels of aerodynamic machines. Launch rockets, design planes, make a kite, create an egg transporter and much more.

**Leadership & Communication:** You will develop communication skills that will bring out the best in you. You will gain confidence and learn how to be a leader and make a difference in small or big ways within your community. This can prepare you for everyday communication, interviews, and more.

**Forensic Science:** Learn what it is like to be a detective and uncover hidden messages, solve mysteries, and use DNA extraction and fingerprinting techniques actually used in the FBI.

**China Art Exchange:** Learn about Chinese culture through an art exchange program! Look at and learn about art created by students your age in China. Create a work of art and have it compete to be sent to China for Chinese youth to view and discover.

**Mission to Mars:** Ever wanted to know what it was like to be an astronaut and travel to Mars? Now is your chance, think, eat, and explore Mars just like an astronaut would (Ages 11 and up only).

**Environmental Science and Citizenship:** Joining in the spirit of Earth day, learn about different environmental systems such as watersheds, and wetlands and how you can make a difference in your community and help maintain a healthy and clean environment.

**Ornithology:** Do wild birds fascinate you? Learn about wild bird calls, how to identify birds, learn how to band birds and more. This workshop will actually be a field trip to Corey Marsh Ecological Research Center located in Bath, MI. This workshop will also start and end at earlier times. Time TBD closer to date.

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Want to learn about and explore Michigan's Capitol and political process, make friendships, and have fun? Then 4-H Capitol Experience is for you!!

- Joshua Dixon

Sign up deadline  
February 10, 2019



The 4-H Capitol Experience program, scheduled for March 17-20, 2019 in Lansing, MI, has been described by past participants as "amazing", "life-changing", and "an opportunity unlike any other". The four-day event, open to high-school aged youth, includes tours of the Michigan State Capitol, meetings with their state legislators, and time to find and strengthen their voice in the legislative process. More information here: [https://www.canr.msu.edu/4\\_h\\_capitol\\_experience/](https://www.canr.msu.edu/4_h_capitol_experience/)



### Make the Most of Your 4-H Market Project

**DATE & TIME:**  
Beginning January 8th , every second Tuesday until July at 6:30 p.m.

**LOCATION:**  
Ingham County Fairgrounds, Mason, MI-Community Hall

**COST:**  
Free

**MONTHLY SCHEDULE**  
January— Goal Setting  
February—Record Keeping  
March—Budgeting  
April—Written Communication  
May—Verbal Communication  
June—Practice Meeting Buyers  
July—Breaking Even



**WHO SHOULD ATTEND:**

Ingham County 4-H and FFA youth participating an any auction at the fair. You can choose to participate in one or all of the series.

**DESCRIPTION:**

Develop your marketing and communication skills while marketing your 4-H auction project.. Develop your skills to effectively communicate with your potential buyers before and after the auction.

**PRE-REGISTRATION BY THE FIRST FRIDAY OF THE MONTH**

Please RSVP at <https://goo.gl/forms/ZcOaRObMyMB7r6712>  
Or Contact Glenda at [weissgle@msu.edu](mailto:weissgle@msu.edu); (517)676-7303

**CONTACT:**

Glenda Weiss at [weissgle@msu.edu](mailto:weissgle@msu.edu) or (517) 676-7303



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## 2019 Michigan Certified Pullorum Testers Workshop

Registration for the 2019 Michigan Certified Pullorum Testers Workshop that will be held on March 5th at the MSU Pavilion is now open.

Pullorum Disease (*Salmonella pullorum-typhoid*), which is caused by the bacteria *Salmonella*, is one of the most important poultry diseases. Pullorum Disease has been eradicated in U.S. commercial poultry, and it is critical to maintain this disease-free status by monitoring the Pullorum status in commercial, backyard and exhibition poultry.

In order for youth and adults to exhibit poultry at a show, poultry must be either certified pullorum-typhoid free through the National Poultry Improvement Plan (NPIP) or test negative for Pullorum within 90 days of exhibition.

For additional information please see the attached flier from the Michigan Department of Agriculture and Rural Development.

This training will provide adults, aged 18 and older the ability to perform the certified pullorum tests. The certification training fee is \$35; those wishing to audit the workshop for informational purposes may do so for a fee of \$5.

## Pullorum Testing Poultry for Fairs and Exhibitions

### WHAT is Pullorum?

Pullorum Disease (*Salmonella pullorum-typhoid*), which is caused by the bacteria *Salmonella*, is one of the most important poultry diseases. The disease is most common in young birds, but it is also a serious concern in adult birds that could carry the disease without showing any signs.

There is no treatment or vaccine for the disease. Pullorum Disease has been eradicated in U.S. commercial poultry, and it is critical to maintain this disease-free status by monitoring the Pullorum status in commercial, backyard and exhibition poultry.

### WHY should you care about Pullorum Disease?

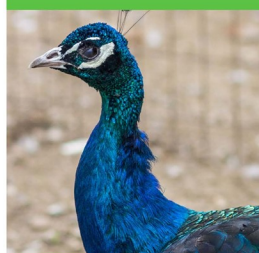
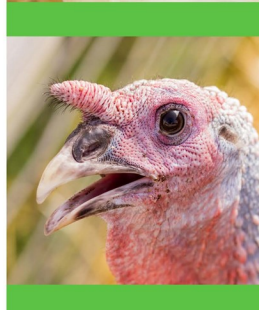
In order to exhibit poultry at a show, poultry must be either certified pullorum-typhoid free through the National Poultry Improvement Plan (NPIP) or test negative for Pullorum within 90 days of exhibition and kept away from non-tested birds and their equipment.

This includes all chickens, turkeys, pea-fowl, game birds (pheasants, quail, chukars), and ratites (ostrich, rhea, cassowary, emu). In Michigan, Pullorum testing is not required for finches, budgerigars (parakeets, parrots, cockatiels), pigeons, doves, and waterfowl going to exhibition.

### WHO can test your bird(s)?

Veterinarians or Michigan Certified Testers (A list of certified testers can be found at [www.michigan.gov/mdard-exhibitinfo](http://www.michigan.gov/mdard-exhibitinfo) under "Resources")

You can choose to become a certified tester in Michigan by attending a Certified Pullorum Tester Workshop (usually held in the spring of each year). If you are interested in attending a workshop, contact Tina Moreno at 517-284-5683 or [morenot@michigan.gov](mailto:morenot@michigan.gov).



### WHEN should I test my birds?

Birds must be tested within 90 days of the show. Birds may be tested at a fair or exhibition check-in; however, you may have your birds tested at home by a Certified Tester prior to the fair. Once tested, the birds must be kept separate from any untested birds and their equipment until the show. If the birds come from a National Poultry Improvement Plan (NPIP) certified flock, no additional testing is required to enter the fair.

The testing results, and bird information is recorded on a special form (AI-013 Avian Test Record or NPIP VS 9-2). A copy of the form will be provided to you by the certified tester or veterinarian, and a copy will be mailed to MDARD. You must have your copy with you to check-in to the fair or exhibition. If your birds are being tested at the fair, the fair will fill out the test record for all the tested poultry.

### HOW do I get more information?

Visit the Michigan Allied Poultry Association pullorum page at [www.mipoultry.com/pullorum/](http://www.mipoultry.com/pullorum/) or call the Michigan Department of Agriculture and Rural Development's Poultry Program at 800-292-3939.

Adapted from Iowa State Extension 01-19





MICHIGAN 4-H  
**ROBOTICS  
LEADERS  
WORKSHOP**

MARCH 16-17, KETTUNEN CENTER

 **4-H GROWS HERE** MICHIGAN STATE UNIVERSITY Extension

## Register Today

Registration for the 4-H Robotics Workshop this March 16-17 is now open, <https://events.anr.msu.edu/robotics19/>. Participants will receive approximately 7 hours of content specific training in their self-selected track. They may choose to explore LEGO WeDo 2.0, Junk Drawer Robotics or LEGO EV3. Participants will also receive 2 hours of processing and reflecting training, taking back to their counties the directions and supplies for these activities. All participants who start a STEM 4-H Club around their training are eligible to receive up to a \$200 reimbursement for supplies used by their club.



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## 4-H Teen Leaders in Action Workshop

February 23-24, 2019  
Kettunen Center, Tustin, MI  
for 4-H teens ages 13-19 (4-H age)  
**\$45**

<https://events.anr.msu.edu/TeenTeachers19/>

Registration deadline: 2-14-19

Contact your local MSU Extension office for questions and local scholarship information.

**Agriculture Literacy (native bees)**  
**Global Citizenship**  
**Healthy Living**  
**Money Management**

4-H teen leaders are being sought to help meet the challenge of educating the next generation of young people!! You will have the opportunity to build your own leadership skills while teaching a fun lesson to other young people on one of these important and timely topics.

## STATE 4-H GOAT EXPO

### Contests:

- Quiz Bowl
- Breed Judging
- Skill-a-thon
- Illustrated talk
- Creative Writing
- Educational Posters
- Arts & Crafts
- Extemporaneous Public Speaking

### Cost:

\$6per participant, \$4 per contest

### Age Requirements:

All exhibitors must be aged 8 to 19 as of January 1, 2019. Want to become a 4-H member? Contact your county MSU Extension Office today!

### Find out more...

For more information contact your county MSU Extension office or call Katie Ockert at (517) 432-5270 or ockertka@msu.edu  
Accommodations for persons with disabilities may be requested on your registration form.

### To Register visit

<https://events.anr.msu.edu/2019goatexpo/>

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April 13, 2019

Michigan State University, Anthony Hall  
East Lansing, MI

The Michigan 4-H Goat Show is sponsored by Michigan 4-H Youth Development Programs, Michigan State University Extension.

## Michigan 4-H Dairy Conference

March 15, 2019 - March 17, 2019

Kettunen Center, 14901 4H Drive, Tustin, MI 49688

### Cost:

\$115.00 - 4-H members, Adults that have completed VSP  
\$135.00 - non 4-H members that will receive 4-H membership as part of their registration  
\$214.00 - Adults that have not completed the VSP

### Who Should Attend?

The Michigan 4-H Dairy Conference is designed for 11 to 18 year old youth (by Jan. 1, 2019) enrolled in the 4-H Dairy Program. Counties must send one adult chaperone for every five youth delegates of the same gender attending the conference. Adult chaperones need to have completed the volunteer selection process in their county. We are asking that each county group have one adult identified as the head chaperone for the weekend. 4-H'ers who attended last year can attend again, but we encourage you to give priority to first time participants. Registration deadline is February 24, 2019.

### Conference Objective:

The purpose of our program is to provide 4-H'ers with the opportunity to learn about Michigan agriculture, to increase their knowledge of the dairy industry in Michigan, to develop their self esteem, self awareness, and leadership skills, and to help them become more knowledgeable about the many issues affecting agriculture now and in the future. The weekend will include many hands-on activities led by MSU Extension staff and MSU faculty and students.

<https://www.canr.msu.edu/events/michigan-4-h-dairy-conference>



## Michigan 4-H Dog Program

### Learning Workshop

March 9, 2019

Michigan State University, Anthony Hall

**Description:** Youth aged 8 to 19 in a dog project and adult volunteers are invited to learn from seasoned professionals about various aspects of dog care, management and training.

### Tentative Agenda:

8:30-9 Check In

9-9:30 Welcome/Opening Session

9:45-10:30 Session Block #1 (all sessions will be repeated so that attendees can participate in them all.)

- Nutrition—Jessica Fescemyu DVM
- Essential Knowledge—First Aid for your Companion—Mary Fischer
- Developing a proper warm up exercise program—Anna Schloff
- A look into Nosework—Nancy VonKoehnen

10:45-11:30 Session Block #2 ( Repeat of Session Block #1)

11:45-12:30 Lunch

12:45-1:30 Session Block #3 (Repeat of Session Block #1)

1:45-2:30 Session Block #4 (Repeat of Session Block #1)

2:45-3:30 Panel Discussion with Instructors and Closing

**Registration:** To register visit, <https://events.anr.msu.edu/DogProjectWorkshop/>



Cost: \$25 per person which includes lunch and materials.

The Michigan 4-H Dog Project Learning Workshop is sponsored by Michigan 4-H Youth Development Programs, Michigan State University Extension.

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*Last chance to get tickets!*  
**MICHIGAN 4-H  
DAY AT THE  
BRESLIN**

Feb. 24, 2019



## GreenStone Farm Credit Services Scholarship

**Entries due March 1, 2019**

GreenStone Farm Credit Services is now accepting applications through March 1 for its 2019 scholarship program. The cooperative will once again award up to \$40,000 to incoming college freshmen pursuing a degree in an agriculture-related field.

Students attending a four-year college program can earn a \$2,000 scholarship, while \$1,000 awards will go to selected students attending a two-year college program.

Scholarship applicants must reside within GreenStone's territory, which includes Michigan and select counties in northeastern Wisconsin; must be a full-time high school graduating senior; have at least a 3.0 grade point average; and plan to study an agriculture-related field. In addition, applicants should demonstrate participation and leadership in school, community and agricultural activities. Complete details are available within the scholarship application found online: <https://www.greenstonefcs.com/en/community/scholarships>

For complete scholarship guidelines and the application, visit [www.greenstonefcs.com/memberbenefits/Pages/ScholarshipsCommunitySupport.aspx](http://www.greenstonefcs.com/memberbenefits/Pages/ScholarshipsCommunitySupport.aspx).



## 4-H Beekeeping Essay Contest

**Entries due March 1, 2019**

Michigan 4-H youth can improve their science, knowledge, writing and research skills and win a cash prize by entering the 2019 4-H Beekeeping Essay Competition. This year's essay topic is *Honey Varietals, State to State. Each jar of honey reflects an unrepeatable combination of climate, soil, weather and flowers. Each state has unique honey varietals that beekeepers can market to their customers. Please identify one unique varietal to your state and discuss the flower's uniqueness and how beekeepers can effectively market that varietal. Please include a photo of the varietal's flower, an interview with a local beekeeper who collects this varietal and a recipe that highlights the varietal.*

The top three winners nationally will receive cash prizes of \$750, \$500 and \$250, and winning essays will be published in ABF Quarterly, the magazine of the American Beekeeping Federation. The three national winners and the top winner of each state will receive a book about honey bees, beekeeping or honey.



Essay length should be 750 to 1000 words and will be judged on the scope of research, accuracy, creativity, conciseness and logic development of the topic. Youth are encouraged to research the topic using a number of sources. Download the complete rules before beginning the contest. This contest is sponsored by the Foundation for the Preservation of Honey Bees, Inc., a non-profit corporation, to preserve the practice and the profession of beekeeping through education and research, established by the American Beekeeping Federation.

## 4-H Events and Workshops

### February 2: 4-H Benefit Clinic

*MSU Pavilion, East Lansing*

Learn more about form, function, improving patterns and lead changes from experts Brian Bannerman, September Croel and Karen Waite during this day of interactive sessions.

<https://www.canr.msu.edu/events/4-h-benefit-clinic>

### February 15-16: 4-H Veterinary Science Teen and Adult Leaders Workshop

*Kettunen Center, Tustin*

Explore animal systems and learn about animal health for a broad array of animals species. Come prepared to learn from experienced veterinarians and others.

<https://www.canr.msu.edu/events/4-h-veterinary-science-teen-and-adult-leaders-workshop>

### February 16: Michigan 4-H at the Griffins

*VanAndel Arena, Grand Rapids*

Come out to VanAndel Arena for an exciting night of hockey with the Grand Rapids Griffins! A portion of each ticket will support Michigan 4-H programming.

<https://www.canr.msu.edu/events/michigan-4-h-at-the-griffins>

### February 16-17: 4-H Beef, Sheep and Swine Teen and Adult Leaders Workshop

*Kettunen Center, Tustin*

This workshop is designed for both teen and adult leaders who are involved with beef cattle, sheep and swine projects. Topics include animal health, management, care and nutrition.

<https://www.canr.msu.edu/events/4-h-beef-sheep-and-swine-teen-and-adult-leaders-workshop>

### February 23: 4-H Teen and Adult 4-H Horse Leaders Conference

*Anthony Hall, East Lansing*

Attend this conference to explore topics such as horse judging, equine first aid, and veterinary care for horses. Information shared will assist leaders in youth development and more.

<https://www.canr.msu.edu/events/mi-4-h-teen-adult-4-h-horse-leaders-conference>

### February 23-24: 4-H Teen Leaders in Action Workshop

*Kettunen Center, Tustin*

Teens attending this workshop will learn how to teach an educational lesson to other youth in their local community.

<https://www.canr.msu.edu/events/4-h-teen-leaders-in-action-workshop>

### February 24: 4-H Alumni Tip-Off Reception

*MSU Spartan Stadium, East Lansing*

The Michigan 4-H alumni community is invited to an alumni reception prior to the 4-H Day at the Breslin event.

<https://www.canr.msu.edu/events/4-h-alumni-tip-off-reception>

### February 24: 4-H Day at the Breslin

*MSU Breslin Center, East Lansing*

Show your Michigan 4-H pride while cheering on the MSU Women's Basketball team during this annual event.

<https://www.canr.msu.edu/events/4-h-day-at-the-breslin>

For the most up-to-date events listing, go to <http://4h.msue.msu.edu/events>.