



Middlesex County 4-H Skill-a-thon
January 7, 2023 9:00AM-1:30PM
Middlesex County Extension Center



9:00 A.M. – 9:15 A.M.	Registration check in
9:15 A.M. – 9:30 A.M.	Opening Announcements
9:30 A.M. – 12:45 P.M.	Rotating Workshops every 45 minutes (4 workshops)
	9:30-10:15, 10:20-11:05, 11:10-11:55, 12:00-12:45
12:45 P.M. – 1:05 P.M.	Lunch
1:05 P.M. – 1:25 P.M.	4-H Member Sharing Time
1:25 P.M.	Cleanup

Please share this information with your club members. The general expectation is that members will attend all day. The signup sheet is attached. Please send **registration by 1/2/20 (no exceptions – no registration at the door)**, but if we could receive it earlier that would be great! There are only 4 workshop time slots – so get your priority lists in early – if you want your top 4 choices! **Please fill out the selection form correctly!** 4-H Explorers attending this day have a separate track. They will all be doing the 4 assigned Explorer workshops. They only need to provide their names at the bottom of the registration form.

4-H Member Workshops for ages 7-18

(must rank order on registration sheet)

1. Woodworking Jointing Techniques – to learn how to make strong joints in your wood working projects. In each workshop we will compare different joinery technique and practice joining wood *using a different technique each workshop*. Techniques include glued butt joint, dowel, pocket hole, and dovetail. *(offered 4 times, limit of 5 youth)*
2. Lego Robotics: Art Bot Challenge – Work with Mr. Marc to design, build and code your very own Art Bot LEGO robot. Learn how to use LEGO EV3 robotics kits and iPads to adapt a robot to create your very own artistic masterpiece. Work in small groups with your peers to design, test and adapt your imagination as you develop and code your robot to be the next great 4-H artist in residence. *(offered 4 times, limit of 8 youth)*
3. Copper Enamel Jewelry – Work with Miss Peggy to glaze and fire your very own special copper jewelry creation. *(offered 2 times, limit 10 youth)*
4. Magical Mixing – Join Miss Donna and become mini-scientists and do some fun mixing and color experiments! See what happens when we mix some mystery liquids and powders. Make some oobleck and slime and even do some color chromatography *(offered 1 time, limit of 8 youth)*
5. IT'S SUGARING TIME! – With Miss Donna - Maple trees will be waking up as hints of spring arrive. Learn about the equipment used to tap the trees, collect their sap, and then turn that sap into maple syrup. Participants will help tap one of the Extension's maple trees. *(offered 2 times, limit of 8 youth)*
6. Terrariums – Work with Miss Sue and the Cromwell Clovers 4-H Club to make a cool terrarium that you can take home, tend for and show at the fair! *(offered 4 times, 8 youth)*

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7. Beginner Felting – Work with Miss Beth and Miss Heather to wool felt your own special creation to take home (*offered 1 times, limit 6 youth*)
8. Advanced 3D Felting – For experienced felters, make a 3d creation of your choice that you can take home and then show at the fair! (Double workshop 90 min – offered 1 time, 6 youth – if interested must be ranked #1 on your list, as it is a double workshop)
9. Loom Weaving – Work with Miss Maria and Miss Carol to use a loom and make a woven fabric article. Learn to correctly use your loom, and all the steps involved to be able to weave at home. (*offered 2 times, limit 6 youth*)
10. Kit Crafts and Beaded Jewelry- with Miss Niki and friends! Like the fun and ease of kit crafts? Put your decorating skill to the test while making fun items to take home, that you can also show in the fair. (offered 4 times, limit 8 youth)
11. Winter Birding– Miss Emily P will have you making suet for your birds, and then go out for some winter bird watching and identification. (*offered 1 time, limit of 10 youth*)
12. Making A Marshmallow Trebuchet – Learn this super cool STEM activity with Mr. Albert and Miss Carlie. Construct your very own marshmallow catapult and then target test it. While you hone it accuracy and tweak its design you will be acquiring STEM skills and creating something you can show at the fair. (*offered 4 times, limit of 8 youth*)
13. Hydroponics for Healthy Living – with Miss Katie! Gain a better understanding of the practice of hydroponics as a healthy gardening method. Participants will make a hydroponic garden to take home! (*Offered 3 times, limit 10 youth*)
14. Sewing for a Good Cause – Join Miss Anna to learn how to sew pillows or pet bandanas that we will donate to local shelters. Learn a skill and feel good about helping your community at the very same time! (*offered 3 times, limit of 6 youth*)

4-H Explorer Member Workshops for ages 5-6

Order you will attend

EX1. (9:30-10:15) Magical Mixing – * See workshop 4

EX 2. (10:20-11:05) Hydroponics –* See workshop 13

EX. 3 (11:10-11:55) Winter Birding– Miss Emily P. will teach you about birds you can see locally in the winter then you will go outside to look for birds and identify them.

EX 4. (12:00-12:45) Magnify your Strength with Mechanical Advantage – Mr. Kevin will teach you how to make your work easier through the use of simple mechanical tools like pulleys and levers.

- **Lunch** - The 4-Hers will bring their own Lunch. Drinks will be provided. The refrigerator will be available to keep lunches cold if needed.
- **Time for Sharing** – This will be the time for 4-Hers to share their experiences of the day, and receive their certificates.
- **Clean up**

This event is for the 4-H members. Any parent, who wishes to stay and you are welcome to, will be given a job to do. Please avoid bringing non-4-H members to this event; it historically has been a crowded day.

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