

NW Wisconsin STEM Leader Training (Science, Technology, Engineering, and Math)



Extension

UNIVERSITY OF WISCONSIN-MADISON

Saturday, October 12, 2019

**CVTC Business Education Center
620 West Clairemont Ave.,
Eau Claire, WI**

Are you looking for new STEM activities for your 4-H group? Here is a great opportunity to enhance your knowledge and skill level around a number of fun STEM topics.

The NW Wisconsin STEM Leader Training is designed to help youth and adult 4-H leaders show youth the fascinating, captivating world of science by providing hands-on activities that can be done simply and inexpensively. From after school programs to special events to 4-H club meetings, these activities can be used by anyone who works with youth. No special background in science is required and preparation time / supplies are minimal.

Attendees will receive basic to advanced lessons for each topic area. Participants will go home with a STEM goodie bag, project supply lists, and valuable resource lists for each workshop.

Session Descriptions

Robotics

Learn how to get every age group from preschoolers to high schoolers involved in robotics. You will get to experience using 3 different kinds of robots, the Ozobots, Wedo's, and EV3's. We will go through 3 different levels of programming for the EV3's.

Electricity

GET ELECTRIFIED!!! Learn about the exciting world of electronics. This workshop will explore Little Bits, Snap Circuits, Makey Makey, and LED Electronic Projects.

STEM for Cloverbuds

Get younger youth excited about STEM! This workshop will combine imagination, magic, children's literature, and hands on learning to make STEM fun and engaging for our Cloverbud members.

Rocketry

3, 2, 1 BLAST OFF!! Come learn how to start a rocket project in your county. We will be making 3 different rockets and launching them in different ways.

Nature Science

Learn exciting and new nature science projects. Get your county involved in WHEP (Wisconsin Habitat Education Program) projects and competitions.

Food Science

What is happening to your food? Participants will get the opportunity to explore the physical and chemical changes in some of their favorite foods. Discover why you purchase certain items at the store.

An AA/EEO employer, University of Wisconsin-Extension provides equal opportunities in employment and programming, including Title VI, Title IX and ADA requirements.

La Universidad de Wisconsin-Extensión, un empleador con igualdad de oportunidades y acción afirmativa (EEO/AA), proporciona igualdad de oportunidades en empleo y programas, incluyendo los requisitos del Título VI, Título IX, y de la Ley para Americanos con Discapacidades (ADA).

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STEM
Science·Technology
Engineering·Math

Saturday, October 12, 2019

9:00am—2:30pm

CVTC Business Education Center,
620 West Clairemont Ave., Eau Claire, WI

Open to all youth (grades 8th and up) and adult leaders
Registration starts at 9:00am / Workshops begin at 9:30am
Registration Fee: \$15.00/youth and \$25.00/adult
(includes lunch and take home materials)

PRE-REGISTRATION REQUIRED FOR ALL PARTICIPANTS

NW Wisconsin STEM Leader Training Participant Registration (one per person)

Name _____ County: _____

Email _____

Address _____

Telephone _____

Youth or Adult (circle one) If youth, what grade: _____

Gender _____ Race _____

Health Concerns: (allergies, food allergies etc.)

I require an accommodation for a disability to participate in this program: ____ Yes ____ No

Amount enclosed: _____ (\$15.00 / Youth) Ck# _____ Cash _____
(\$25.00 / Adult)

Make check payable to: St. Croix County 4-H Leaders

Deadline: **September 30, 2019.** No refund for cancellations will be issued after the deadline.

Return to: 1960 8th Ave, Suite 140, Baldwin WI 54002

Please rank choices (1—1st choice, 2—2nd choice, and 3—3rd choice) for both the morning and afternoon.
Workshops will be assigned on a first-come / first-serve basis. All participants will attend one morning and one afternoon workshop.

Morning Workshops:

_____ Robotics

_____ Electricity

_____ STEM for Cloverbuds

Afternoon Workshops:

_____ Rocketry

_____ Nature Science

_____ Food Science