



Clover Connection

News from University of Missouri Extension 4-H Youth Development

November 2009

MU Extension 4-H Helps Kids Have a Blast with Biofuels

Daniel Felder's afterschool 4-H group at Johnson Elementary School in Kansas City usually works with robots, but recently they took a break to learn about biofuels and participate in the National 4-H Science Experiment.

"The kids had the opportunity of learning how to create different types of energy sources through fermentation," said Felder, a University of Missouri Extension 4-H youth program associate.

The students developed a hypothesis, or prediction, about what was going to happen during the experiment. Then, they worked in groups to test their theories. Three of the four groups combined water and yeast with sugar, corn syrup, or wheat bran in a clear plastic bottle. The last group had no additives.

"We only added yeast and the yeast, it destroys the sugar in stuff, the sweets," said Sha'Maria Gay. "It had nothing to destroy."

Gay's group was the negative control. The balloon they placed over the mouth of their bottle stayed deflated as others filled with carbon dioxide from the reaction. Students recorded the growth of their balloons and other observations, such as the creation of ethanol as a byproduct.

"The idea was to get different stations to have different results because it's not only about the experiment, but it's the collection of data," said Felder. The students will graph their data and present it to the group.

The National 4-H Science Experiment is part of the 4-H Science, Engineering and Technology initiative, a campaign to encourage a new generation of young people attain science and technology skills that are increasingly in high demand.

Four other 4-H Afterschool sites in the Kansas City area completed the experiment.

"We see ourselves as partners with the schools," said Bill Pabst, MU Extension 4-H state youth specialist who helped lead a similar experiment on the MU campus in Columbia. "There's not enough time in the classroom to learn all there is to know about science, so we have to take every opportunity to have kids thinking about science and doing science in a fun way outside of the classroom."

The 4-H Afterschool program in Kansas City is a partnership between the Hickman Mills School District, Local Investment Commission (LINC) and MU Extension 4-H.

CONGRATULATIONS Public Speaking Contest

Congratulations to the Audrain County 4-H members who demonstrated their skills at the State 4-H Public Speaking Contest:

Chania Hoffman, Extemporaneous Speaking

Linville Named to National 4-H Council

University of Missouri Extension 4-H Director Ina Linville has been chosen to serve on the National 4-H Council. The council provides direction on national programs, leadership in marketing and opportunities for donors to invest in the organization.

Linville is stepping in for one year to complete the three-year term of Dr. Bo Ryles, director of 4-H at the University of Georgia, who retired this year.

"I'm excited. I think it's a great opportunity to provide input into national programs and to make connections that will benefit MU Extension 4-H," said Linville.

**Daylight Savings Time
Ends—November 1**



UP AND COMING

MU Extension 4-H Legislative Academy

Legislative Academy is an opportunity for MU Extension 4-H members to develop a deeper understanding of Missouri government. The event will be in Jefferson City, February 15-17, 2010. Young people must be 14-20 and complete an application and interview. For more information, eligibility requirements or to apply for the legislative academy, go online: 4h.missouri.edu.

BOAC Grants Available for Service Projects

Funds are available for University of Missouri Extension 4-H clubs for community projects through the Missouri Department of Agriculture. Groups may apply for one of 18 grants to improve existing facilities, grounds or buildings.

Up to \$500 is available for each Building Our American Communities grant. Applications are due December 4. For more information, contact Loyd Wilson at 573-751-4561 or online at www.mda.mo.gov/Financial/boac.htm

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Clover Kids Corner

Through Clover Kids clubs, children learn how to get along, share and work in groups, explore their interests and build self-confidence. Each Clover Kids Corner provides an activity, information or other materials that Clover Kids leaders can use in planning and implementing experiences that introduce 5- to 7-year-olds to the 4-H concept of learning by doing.

Apple Taste testing

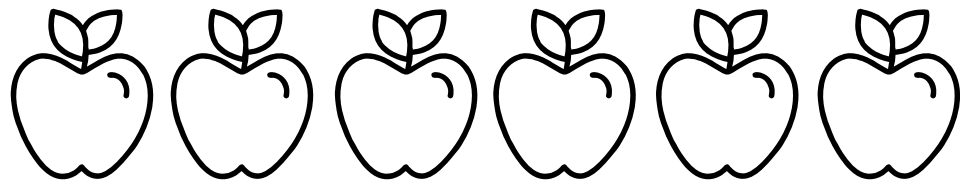
What you need:

Pencils
Paper plates
Knife
6 different apple varieties

Tart	Sweet
McIntosh	Red Delicious
Jonathon	Winesap
Empire	Fuji
Ida Red	Gala
Granny Smith	Jonagold
Braeburnl	Golden Delicious

What you do:

1. Wash each apple. Cut the apples so that each child has one slice of each variety. Assign each variety a number.
2. Give each child a paper plate and pencil. Children should number their plates like the face of a clock.
3. Give each child a slice of each variety and tell them to put the slice at the corresponding number on the plate.
4. Ask the children to taste each slice, one at a time. Help them describe the taste. Is it sweet? Sour? Juicy? Dry? Soft? Crunchy? Mushy? Crisp? How many like the taste? How many dislike the taste?
5. Repeat the questions for each apple slice?
6. After all the apples have been tasted, tally up the likes and dislikes to learn which apples are preferred.



Missouri Agribusiness Academy to Visit Springfield in 2010

The Missouri Department of Agriculture is offering high school sophomores an opportunity to explore careers in the ag industry through the Missouri Agribusiness Academy, June 7-10, 2010.

Thirty Academy members will be selected through a competitive written application and oral interview

process to tour Springfield agribusinesses.

To be eligible, students must come from a farming family or be active in 4-H or FFA. Applications are available at your local MU Extension center or online at www.mda.mo.gov and must be postmarked by February 1, 2010.

Keep MOVE-ing! Program continues through 2010

Four-H Move Across Missouri (MOVE), a program that promotes physical activity and encourages young people to engage in a broad range of activities, kicks off its second year with enrollment for new participants and re-enrollment for current MOVERs starting January 1.

Using an online system, 4-H members and their families log the number of minutes they spend doing things they enjoy, such as walking, biking, running,

swimming, dance, taekwondo, gardening and more. Participants can compete against each other for prizes during the competitive portion of the program, February 1 – May 31.



Sign up as an individual competitor and/or as part of a team. Current competitors **MUST** re-enroll to be part of the 2010 program. For more information, visit 4h.missouri.edu.

Project Leader Tips

Project leaders are very important to the 4-H Club program. Interest in the project areas is what motivates youth to become 4-H members. The 4-H project leaders help members learn skills they will use throughout life, help members reach goals, serve as a role model and give youth in 4-H an important connection with a caring adult.

So I said I'd be a project leader...now what do I do?

- Secure the literature from your 4-H club leader or from Extension Publications using the form in the Y603, *4-H Clover*; LG911, the Missouri 4-H Literature and Merchandise form; or online at <http://extension.missouri.edu/explore/shop/>
- Check out the resources available on the project web page <http://4h.missouri.edu/projects/> There are many hands-on activities available for your use.
- Read the literature carefully, know the requirements and the prerequisites, and let members of your group set individual and group goals.
- Study the leader/helper guide and adapt it to your situation.
- List skills the members should know in order to complete work.
- Decide what skills to include in each project group.
- Decide what you and members are to do at each meeting.
- Prepare needed materials before the meeting.
- Collect names, addresses, phone numbers and e-mail addresses of the members enrolled in your project from your club leader or your local University of Missouri Extension Center.
- Keep attendance and project records.

DEADLINES

Don't miss out on these great 4-H opportunities. Sign up today.

December 1

Legislative Academy registration
Application deadline for many exchange trips—
www.4h.missouri.edu

December 4

2010 BOAC grant application due to Missouri Department of Agriculture

February 1

Kansas City Global Conference registration
Missouri AgriBusiness Academy application

April 1

Missouri 4-H Foundation Scholarship deadline

EVENTS

November 14

Youth as Professionals, MU

November 14-15

4-H Camp Food and Fitness, MU

November 27—December 1

National 4-H Congress, Atlanta

February 6-7

Teen Conference, MU

February 10-11

Missouri Pork Expo, Columbia

February 15-17

Legislative Academy, Jefferson City

February 20

State Horse Judging Contest, MU

February 20

State Meats Judging Contest, MU

March 5-7

Youth Civic Leaders Summit

March 17-20

Kansas City Global Conference

June 2-4

State 4-H Congress

June 7-10

Missouri AgriBusiness Academy, Springfield



LEADER LOOKOUT

November Club Leader Tips

This month things are starting to settle down and club programs are getting into full swing. It is very important to encourage all project leaders to schedule a project meeting before December so that the youth enrolled can begin the project portion of the 4-H experience.

Here are some suggestions to consider for this month:

1. Have club members approve club goals and plans for club service projects throughout the year. (Keep track of member participation in these projects.)
2. Add new members to enrollment and update the family newsletter list at your local MU Extension center.
3. Discuss risk management with all volunteers. Give each project leader the number of the county group insurance policy in case of accidents.
4. Ask another volunteer to help coordinate literature orders to save on shipping costs.
5. Encourage project leaders to have at least one initial meeting to plan subsequent meetings, discuss the need for parent support, cost of materials, etc. Have project leaders announce first project meeting date if it has been set.
6. Set up time for committees to meet and set goals during the club meeting. Provide creative tools to help them in this process: flip charts, note paper, markers, etc. Have each committee report on their goals and activities.
7. Recruit volunteers to help 4-H members plan a holiday party.
8. Encourage each member to give demonstrations and/or talks at club meetings. Consider using the brown bag demonstration activity as a way to introduce demonstrations. <http://4h.missouri.edu/go/get/projects/bbdemos/>
9. Inform families again of their options for acquiring personal copies of literature.
10. Announce project meeting dates already set for county-wide and club project meetings.
11. Coordinate with project groups to bring a skill-a-thon in their project area for an activity at the January club meeting. Share web page resources with project leaders. <http://4h.missouri.edu/go/get/projects/skillathons/>.





Audrain County 4-H Events

November

- 2 4-H Foundation/Fair Board Meeting
- 5 Shooting Sports Planning Meeting
- 7 Award, Events, Finance & Leadership Committees Reorganization Meeting
- 11 Courthouse Closed for Veterans Day
- 16 Junior Leaders Meeting
- 26-27 Courthouse Closed for Thanksgiving

December

- 1 Registration Fees Due—All Enrollments should be turned in to club leaders and fees paid to the club treasurer
- 7 Foundation/Fair Board Meeting
- TBD Junior Leaders Meeting/Christmas activity
- 24 Courthouse Closed - Noon for Christmas Eve
- 25 Courthouse Closed for Christmas