

Brighten Your World 2012 Conference Workshop Descriptions

T-1, W-1, R-1 Moving and Grooving for a Lifetime

Turn on the lights for a lifetime of social dance fun. Learn dance moves that you can use socially and at special events into the future

T-2, W-2, R-2 Natural Resource Management (IF T-2 IS SELECTED, W-2 AND R-2 MUST BE SELECTED)

What do you know about conserving natural resources? This workshop will include fishing, wildlife viewing and habitat management. Discover the careers that are available in this field and the degree programs that will prepare you for them. It's a 3-day session that will build each day.

T-3, W-3, R-3 A Mask in Hiding (IF T-3 IS SELECTED, W-3 AND R-3 MUST BE SELECTED)

Explore identity and culture through the creation of a ceramic mask. Presentations on ceramic technology and discussions in this three-day workshop will expand what you know about yourself and culture. You'll get to go in-depth on this project and end with a finished product.

T-4, W-4, R-4 Public Art: A Bright Idea

Focus on works of art in the Art on Campus Collection that explore a variety of bright ideas, from neon and LED lighting to sculptural shadows. Using visual literacy, this walking tour will highlight sculptures and paintings by artists who use a variety of techniques to brighten our world.

T-5, W-5, R-5 Vet Camp

What does a vet do on a daily basis? Discover what kind of preparatory work is necessary to be accepted to vet school and what's involved in the curriculum at ISU's College of Veterinary Medicine. Visiting three labs at the Vet School will give you a small window into this exciting field.

T-6, W-6, R-6 Brighten Your World - Victorian Style

Tour the Farm House Museum, the first building on Iowa State's campus. Discover how this building made an impact on the future of Iowa State, and get an in-depth look at the culture and society of the Victorian Era.

T-7, W-7, R-7 Wildlife Care Clinic - ISU Vet Med

If you're interested in veterinary medicine and wildlife care, this workshop is for you! Tour the Wild Life Care Clinic and talk with veterinarians and vet students to explore this career option.

T-8, W-8, R-8 Glass Blowing/Lunabotics

Engineering - boring, not creative...hardly! Check out glassblowing, and see the materials science engineering behind this cool art form. In the other half of the workshop, check out the Lunabotics Student Organization. They design and build a lunar robot to compete in the annual NASA competition.

T-9 Learning to Program in Scratch

Play with Game Programming with ISU Department of Computer Science. Learn about Scratch Programming language (scratch.mit.edu). Scratch is a programming language that makes it easy to create your own interactive stories, animations, games, music, and art -- and share your creations on the web. Learn an important skill and, at the same time, get a chance to be very creative! You will learn how to download and use Scratch to program on your computer.

T-10 Experience the Des Moines Art Center

Travel to the Des Moines Art Center by bus to experience the special exhibit “Surface Value,” which features three artists who present a unique vision of American life and use unique materials into their art. Take an interactive tour, and create a work of art that is based on a theme from the exhibition.

T-11 Marketing Yourself

Tight job market have you worried? Do you feel as if you have nothing relevant to present on your resume? Get a jump on your competition by developing a resume that effectively “sells” you to potential employers. Learn what employers really want to see and what they don’t need on this important document.

W-12 Using PicoCricket Kits to Understand Programming with Sensors

Computers and processors are in all parts of our lives but often seem invisible. The Computer Science Department at ISU will pull back the curtain for you. Use the PicoCricket kits to program a computer to work with sensors and control the unit. By working with PicoCricket you can see inside the programs and understand more about how things around us work, from your phone to your car. Each PicoCricket kit has a small handheld computer and a set of sensors. The programs that you will learn to create make use of sensors (for example, a light sensor) for input and can generate output in the form of sounds, lights or run motors.

W-13, R-13 Tour: Horticulture Research Station

Take a ride on a people mover around the scenic Horticulture Research Station, and learn about the latest in horticulture research and management practices. Learn about projects on apples, grapes, and strawberries; vegetable crops including tomatoes, melons, and winter squash; and ornamental crops including turf grass, roses, hydrangeas, shade trees and flowering crabs as well. Wildlife ecology projects involving turtles, fish and tree swallows will also be discussed.

T-14, R-14 Agricultural Entrepreneurship - Creating Tomorrow’s Agriculture

How are entrepreneurship and agriculture connected? Discover the answer through two hands-on activities that will use your creativity and innovation.

W-16, R-16 Pollinators - Will They All Sting Me?/Popcorn Expansion Trial - How Much “Pop” Is Enough?

In the first group, get introduced to the many types of pollinating insects used at the Plant Introduction Station. Volunteers will dress up in beekeeping gear and open a honeybee hive to locate the queen. You will then conduct a popcorn kernel experiment. Compare the expansion of a commercial popcorn variety to that of a less developed line.

W-17, R-17 Farming for Fun and Profit

Put together a simple farm business plan and see its results immediately. Discover how computer Budgeting programs can impact the decision-making process.

T-18, W-18 Brighten Your Future: Transition to College

If you're getting ready to transition to college, this workshop is for you. Information on financial aid awards and various types of loans will be presented. Discover how the transition process works and what financial pitfalls to avoid in overspending on things you want instead of the ones you need.

T-19, W-19 GSI: Germ Scene Investigation

How important is hand washing? Work in teams to use a tool kit and investigate a Germ Scene to discover what causes contamination and present the findings during a mock "press conference."

W-20, R-20 Brighten Up Your World by Playing a Pricing Game

Engage in a hands-on team activity where you will play a version of the "Price is Right" game and role play members of a firm's marketing team who are responsible for setting the price of a product sold by the firm. Team members who do the 'best' will win a prize.

W-21, R-21 Brighten Your Corner of the World by Becoming a Shining Teacher at Iowa State University

Let's brighten our corner of the world by serving young learners! Learn about learning, and then bring theory to practice by teaching children at the Iowa State University Child Care Center!

W-22, R-22 National 4-H Congress - What's It All About?

Interested in learning more about this exciting national trip? Take an interactive look at how to apply, interview, and what to expect if selected to represent Iowa as a delegate to the National 4-H Congress in Atlanta, Georgia. Join us to find out more! Presented by National 4-H Congress delegates.

T-23 SAE International

What is SAE? Learn about the organization, and look at the cars they build every year. Participants will participate in an interactive activity by building rubber band cars.

T-24, W-24 Preserving Your 4-H Memories

Tour the special Collections Department, focusing on the rare and unique historical 4-H materials found in the University Archives. Focus on the preservation issues of scrapbooks and the techniques needed to make sure your 4-H records are permanent and long lasting.

T-25, W-25, and R-25 From Passion to Community Action (IF T-25 IS SELECTED, W-25 AND R-25 MUST BE SELECTED) *Iowa S³ Leadership team participants receive a scholarship to attend.

Discover what gives you energy, how to transfer your energy to change, and then persuade others to join you in creating that change. Participate in three workshops to realize your passion, and meet youth that channeled their passion into action. Build skills that help you communicate so adults and your peers will take you seriously. People have numerous interests, but what's your real passion?

T-26, W-26 Social Media to Enhance Your Career

How can you use the various social media outlets available today to work for you? Check out different social media sites and learn how to make the most out of your posts and connect with the right people and organizations.

W-27, R-27 Conference Choir (IF W-27 IS SELECTED, R-27 MUST BE SELECTED)

If you like to sing, this double workshop is the place for you. On Wednesday and Thursday, you'll work with other delegates and an experienced choir director to put together songs to then perform for the entire delegation at the closing ceremony.

T-28, W-28, and R-28 Zumba Dance

Discover more about this fun way to exercise with Latin music. Get a great work-out while having fun and learning some new dance moves, too.

T-29, W-29 Campus Tour/Residence Hall Tour

Thinking about or planning to attend ISU? Enjoy a walking tour around the Iowa State campus with a current student. The tour will continue to the Union Drive neighborhood to tour Friley and Eaton Residence Halls.

W-30 “Year of the Turtle”

What do you know about turtles? This hands-on workshop will present information on issues surrounding turtles including management to ensure long-term survival of various species and populations. You’ll also learn about the ISU Natural Resource and Ecology Department.

T-31, W-31 Bio Century Research Farm Tour

Tour ISU’s first-in-the-nation integrated research farm devoted to biomass production and processing. The BioCentury Research Farm provides the opportunity to integrate harvesting, transportation, storage and processing, while offering facilities for outreach programming and industry collaboration on bio mass crops, biofuels and bioproducts.

T-32 Compost Facility Tour

Tour the ISU Compost Facility to see how the organic waste from campus is handled and how the compost is used. Delegates will learn about the composting process and benefits of compost for individuals, plant growth and the earth.

R-33 Design and Build a Bridge

If you want to experience real life designing or building, attend this hands-on session and design your own bridge and test it - just like in the real world!

T-34 Enhance Your Pork Product Knowledge

Whether fresh (think pork loin and ground pork) or processed (think bacon, sausage, and ham), the quality of any pork products depends on a variety of factors. Find out how what happens influences a product’s taste. Tour the ISU Meat Lab, and try your hand at identifying some pork products. Oh, and be ready for some taste testing.

W-35 “Seeing” How Food Tastes

Explore how your five senses and your mental perceptions help determine what foods you like - they all combine to form “an eating experience.” Hands-on activities will illustrate your taste and sensory preferences. A tour of the ISU food sensory lab and facilities will show you how food products are developed and created.

R-36 Seeing the Light --Through a Pig’s Eyes

How do we interact with pigs? Do we treat livestock with respect or just as a commodity? This hands-on workshop will focus on animal welfare and handling techniques. Participants will take turns moving pigs, observing those moving the animals and offering comments and suggestions. Remember to wear proper attire, including solid toe shoes, for safety.

W-37, R-37 The Ever-Changing World of Weeds

Why do certain plants interfere with our efforts to produce crops and maintain landscapes? Take a weed walk through the teaching greenhouses of the Agronomy Building on campus, and learn why some plants refuse to be good neighbors.

T-38, W-38, and R-38 Good Shopping, Shopping for Good

Look at different shopping venues, from the mall to at home on the computer, from Saks Fifth Avenue to the Salvation Army, from the latest designs to vintage finds. How do we make decisions about what we buy, and what impact does our consumerism have on the rest of the world? Explore fair prices for your budget and fair trade on a global scale.

T-39, W-39, and R-39 Making a Difference: Fighting World Hunger (IF T-39 IS SELECTED, W-39 AND R-39 MUST BE SELECTED)

What are issues related to world hunger, and what are some current strategies to fight it? During this 3-day session, you'll work in teams to develop new strategies to address this world-wide problem. Learn more about careers related to world hunger and the ISU majors that will prepare you for these careers.

T-40, W-40 VARKing to Succeed!

What is your learning style? This fun interactive workshop will help you discover your learning style preferences and how to make them work for you as you study, sit in class, and organize activities with your friends!

R-41 Study Abroad and International Opportunities

Ever thought of studying abroad as a part of your college education? Learn about study opportunities overseas, the benefits to studying abroad in college and the different types of programs that participate in this exciting opportunity.

W-42 Wild and Crazy Chemistry

Join the fun experimenting with all kinds of science! What can you do with dry ice? What are diapers made of? What does slime consist of? If you want to know, make sure to not miss out on this exciting workshop!

R-43 Look At Me Now

This workshop reveals the deep truths and proven strategies that take the very best students to the top. The best performers in a variety of fields all share the same qualities. Among other traits, the best of the best are able to maintain a big-picture vision while taking zoom focused action, they are mentally stronger, they seize the moment and they inspire excellence in the people around them. These skills and attitudes that can be learned and applied by all.

T-44, W-44, R-44 Adobe Youth Voices (IF T-44 IS SELECTED, W-44 AND R-44 MUST BE SELECTED)

During this three-day workshop, you'll learn the process of telling a story through video - and create one during Conference. You'll go through the steps of connecting with the audience, creating a plan, shooting footage, and editing to create a final product. Then save it to share at home, too.