

9th Annual GIT Workshops

March 2, 2010



“TECHNOLOGY: Pathway to a Greener Future”

Instructions: Students select a workshop series from 1-17. Indicate 1st, 2nd, or 3rd choice on the registration list.



Career Cluster

- ___ 1. **Vet Tech** **Dr. Jody Rockett, Asst. Professor, CSI** **CSI Vet Clinic**
Fluorescence Stains and Eye Dissection. Designed to give students a greater appreciation for ocular abnormalities this module focuses on eye anatomy and detection of corneal ulcers in the dog. Dissection of formalyn fixed sheep eyes will be followed by a discussion of common eye diseases as they relate to ocular anatomy. Students will then stain a dog’s eye using a non-invasive corneal stain.

Aquaculture **Dr. Terry Patterson, Professor, CSI** **CSI Fish Hatchery**
Can you guess how many fish are in a pond?
It is difficult to actually count how many fish might live in a pond but there are other ways to find the population. Students will sample count by accurately weighing and counting small groups of fish. Students will then use the sample count to calculate the actual population in the pond.
- ___ 2. **Biofuel Technology** **Dr. Ross Spackman, Professor, CSI**
The Oilfields of Idaho--- Students will learn how crops grown in Idaho can lessen our dependence on foreign oil, boost our economy, and improve air quality. We will be pressing oil from seeds and making it into biodiesel, an alternative to petroleum derived diesel.

Food Quality **Jennifer Holtzen, Chemist**
The Idaho Food Quality Assurance Laboratory analyzes food commodity and environmental samples for pesticides as wells as performs potato cyst nematode analysis. The staff is about two-thirds Idaho State Department of Agriculture employees and one-third CSI interns involved in the Laboratory Assistant intern program. Students will tour the lab and demonstrate the steps involved in analyzing samples, discuss the intern program, do a few small experiments, and have questions answered.
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Horticulture **Dave Kiesig, Associate Professor**
Symbiotic Partners - Plants and People’ (can’t live without ‘em) Participants will vegetatively reproduce a plant during this class that they will be able to take home with them.

Career Cluster



Career Pathway

4. Video /Digital Media

Teresa Sept, Assoc. Prof, CSI

Digital media has exploded across the business world. The better prepared students are in this field, the better their potential to make a significant mark on the world. We will pulse the possibilities of this bold new world by looking into digital media options.

Web Design

Scott Henshied & CSI Web Design Team

Participants will explore the essential elements of effective web design and development, including some of the most popular software packages and programming languages used by webmistresses. The workshop will include some fun hands-on exercises.

5. Graphic design

Daryl Hunt, CSI Instructor

Students will be introduced to Photoshop and learn about the program's capabilities. They will work with Adobe Photoshop to manipulate graphics, applying filters and special effects, as well as basic compositing techniques. Students will also learn about career options in the graphic design field.

Micron Technology

Kira Lunde & Melissa Gledhill, Engineers

Engineer your future: Engineering is dynamic. Discover how engineers are making a difference in our planet, in everything from how we communicate, to medical procedures, and automotive safety. **Engineering is about solving problems.** Explore the processes that engineers use to design, develop, test and refine new solutions to real-world problems through a challenging hands-on activity. Anyone who gets 'egg'-cited solving challenging problems would make an 'egg'-cellent candidate for engineering. **Engineering is about making improvements.** Learn how you can be a part of future innovations and problem solving in rewarding careers in technology with math and science as the building blocks. You can make a difference AND have a challenging/fun career at the same time

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Career Pathways

7. Welding Technology

Kent Parish Instructor, CSI

Students will tour the welding shop and participate in demonstrations featuring a variety of equipment. The Electric Eye Plasma Cutter will be used to cut a pattern out of steel. Students will grind and color metal designs. Job Opportunities for women in welding and fabrication careers will be discussed.

Civil Engineering

Jackie Fields, Twin Falls City Engineer

"Engineering - Let's Talk Lifestyle"

What does a civil engineer do? What are the varieties of Engineering careers? Why can a career in Engineering fulfill a woman's life goals? How do we get there from here? Students will engage in a project to construct/test.

8. Environmental Engineering **Karen Cummings, Engineer, Amalgamated Sugar Co.**

A brief description of engineering discipline and various types of Engineering and how to become an engineer will be provided to students. In addition, personal experiences will be shared along with the knowledge and skills required in the present job, job satisfaction, and personal satisfaction.

Manufacturing Technology

Ben Hamlett, CSI Instructor

Manufacturing Technology is an excellent program for women. Students will visit the campus classroom, watch a video tour of the off-campus lab, and participate in hands-on projects related to manufacturing. Students will learn about manufacturing facilities in the Magic Valley and how the future of manufacturing is advancing.

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Career Pathway

10. Law Enforcement

Brett Reid, Assistant Professor CSI

How law enforcement and technology have merged and the importance of use of force issues, investigation techniques, and the increase in hiring of females in law enforcement.

Aeronautics

Mary LaMoy, Pilot, Idaho 99's

Students will learn about fighting forest fires with airplanes, from the experiences of a woman smokejumper pilot. We'll discuss the skills and decision-making required to "get the job done" on a typical day. We'll also explore the dynamic world of aerial research flying, performing highly specialized flight operations for governmental and scientific agencies.

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Automotive Technology

David Rodriguez, Assoc. Professor

Automotive Technology is for women, too. Students will tour the Automotive Classroom, participate in demonstrations of the technology, and become aware of changes in the Automotive world.

12. Electronics

SSgt. Jesus Gonzalez, Idaho National Guard

Female Communications soldiers will demonstrate military use of electronics equipment. Students will participate in demonstrations of a satellite Hummer, a medical Hummer and a RAVEN team (a remote control camera plane). A female commissioned officer will discuss the course for female officers in the military.

Autobody Technology

Janeen Dalton, CSI Autobody Graduate

We will have an open discussion about the role women have in Auto Body and the different career paths that are available. We will be showing how technology has improved the paint mixing processes by mixing paint. Then we will be using the new high efficient paint booth to have a hands-on demo of paint application.

13. The Green Building & Sustainable Development Industry

Candess Packard

Idaho K-12 Green Schools Committee

Doing well while doing good: Meaningful careers in the green building and sustainable development industry. Our presentation will discuss various career paths in the green built environment and sustainable development industry with a particular focus on those that require skills in science, technology and math.

Diesel Tech

Levi Perkins, Instructor, CSI

The Diesel Workshop will include an explanation of the average wages and placement rates for diesel mechanics in the Magic Valley who graduate from the CSI Diesel program. Students will also have the opportunity to see and have hands on experience with several mockup displays of different truck systems, including engines, chassis, electrical, and suspension parts. The workshop will also include information for future students to prepare themselves while in high school for college and a career in the diesel industry.



Career Cluster

14. Nursing Science

Valerie Warner, Chair of RN Department

Experience the excitement of nursing as you step into the role of a nurse caring for a sick patient in the hospital. You will participate in taking a patient's vital signs and making the patient well again.

Medical Coding/Medical Asst

Kara Mahannah, LPN, Instructor, CSI

Students will learn about the medical assistant and medical coding programs in general, what students learn (math, science, English, computers, and administrative and clinical medical assistant tasks), and where medical assistants and coders are employed. The Medical Assistant students will perform vital signs on the participants, be available to answer questions and interact with the students.

_____ **15. Paramedic Technology**

Gordon Kokx, Professor, CSI

Receive information about technology in Emergency Medical Education. It will feature web-based learning, virtual simulation, and the human patient simulator.

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