



2nd Annual Yakima Valley



2013 Science & Engineering Festival

Brought to you by UW Gear Up & UW Genome Sciences Education Outreach

For more information about the festival, please visit: <http://uwgearup.com/index.html>



Building large-scale learning improvement...
one mind at a time.

Link: <http://www.esd105.org/>

ESD 105 STEM Showcase Participants

School/Organization	Program Title	Exhibit Description	Exhibit Date(s)
Central Washington University	Science Talent Expansion Program (STEP) and Center of Excellence in Science and Mathematics Education (CESME)	CWU's STE Program will be on display with students and staff giving program information from their various perspectives.	Tuesday, March 26
Goldendale Middle School	FIRST Lego League Robotics	Display of an invention that opens and closes push-and-turn pill bottles.	Wednesday, March 27
Toppenish Middle School	GTT,GEAR UP,MESA	<ol style="list-style-type: none"> 1. Student demonstration of a dissection, accompanied with a video from the Dissection Club. 2. Student demonstration of robotic functions. 3. Students will present hands-on activity and student demonstrations of Flight and Space using bottle rockets, kites, hot air balloons and more. There will also be an Autodesk Inventor presentation. 	Tuesday, March 26 Wednesday, March 27
Wapato High School	STEM	The Biomedical Science program will be displaying the structure and function of macromolecules. Engineering will display projects from Autodesk Inventor on how the deflection of a beam can determine a person's weight.	Wednesday, March 27
Wapato Middle School	Wapato STEM Nights	Students will conduct hands-on presentations demonstrating germ transmission, inertia, and how to make slime.	Wednesday, March 27

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West Valley High School #1	CTE	Student demonstrations on obesity with local information on Yakima's obesity statistics. Also, a hands-on display of a tissue sample viewed through a microscope.	Wednesday, March 27
West Valley High School #2	Forensics	West Valley High School's Forensic students will present hands-on displays of DNA fingerprinting, microscopy of hair fibers, and other forensic techniques.	Tuesday, March 26
West Valley Junior High #1	STEM Program Overview	West Valley JH will be showcased through presentation of current STEM related programs and activities.	Tuesday, March 26 Wednesday, March 27
West Valley Junior High #2	STEM Science	A variety of student-selected projects will be presented.	Tuesday, March 26 Wednesday, March 27
West Valley Junior High #3	Robotics	A hands-on demonstration of Vex Lego Robotics.	Tuesday, March 26 Wednesday, March 27
West Valley Junior High #4	Pre-Engineering & Computer Essentials	Student-led presentation on Pre-Engineering and Computer Essentials	Tuesday, March 26 Wednesday, March 27
Davis High School	GEM Program – Student Biomedical Research Competition	Students will present their research for GEM competition.	Wednesday, March 27
Eisenhower High School #1	Robotics Class	Students will present live robotics demonstrations.	Tuesday, March 26 Wednesday, March 27
Eisenhower High School #2	Underwater Robotics 21 st Century	Students will demonstrate underwater robot.	Wednesday, March 27
YV-Tech	CTE	<p>Media – Hands-on demonstrations will be available as students will demonstrate the use of computer graphics with green screen.</p> <p>IT and Machining – Students will demonstrate the capabilities of “mini-bots” and moveable robots.</p> <p>Healthcare Professions – Students will demonstrate hand therapy, stethoscope use, and first aid injury care.</p>	Tuesday, March 26 Wednesday, March 27