Full portfolio online: https://jaysonpeters.com/jayson-peters-2/

Breaking news/roundup email newsletters

https://drive.google.com/file/d/1jJezcaFxAttCXJLGGJRCGSwzaWStqIwl/view?usp=drive_link

NEW! Quatermass movies on TCM this weekend, Infinity War review and more

https://drive.google.com/file/d/1EqGMepXGW76eHOw-qqobbksS68WuoSxs/view?usp=drive_link

News/Features blogging:

Space Cat Felicette Statue Unveiled at French University
Memorial to France's Forgotten Space Cat Finds Home, New Design
Felicette the Space Cat Getting Long-Overdue Monument

https://nerdvana.co/sci-fi-fantasy/stargate-video-game-fraud-case-heads-to-court/51345/

Lost 'Doctor Who' Story 'Shada' Restored With Animation, BBC Magic

https://geekdad.com/2020/08/review-star-trek-lower-decks-brings-starfleet-life-crashing-down-to-earth/

https://geekdad.com/2020/05/order-66-comes-to-the-clone-wars-as-series-goes-out-fighting/

https://geekdad.com/2020/02/review-the-bad-batch-brings-attitude-to-the-clone-wars/

Multimedia:

Videos conceived, shot and edited:

https://youtu.be/_bQHxuFgEoE?si=BD-pFQRILS9Pyyfc

https://youtu.be/_7mXThNHgPc?si=ad5ouAwjU2jcJs32

https://youtu.be/jsOZHDL0AzI?si=wpeilyHewNlZg2eg

https://youtu.be/7oH7NpvZwes?si=ZzGCL1z48PLyp_rD

Improved Cavity Access Machines

The Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) is safely and efficiently destroying chemical weapons stored at the U.S. Army Pueblo Chemical Depot (PCD). The mustard agent in the munitions is destroyed by neutralization followed by biotreatment.

An Improved Cavity Access Machine (ICAM) is a component of the Munitions Washout System (MWS). The ICAM allows 4.2-inch mortar rounds to be processed for destruction in the main plant. These rounds are currently being destroyed in the Static Detonation Chamber (SDC) complex, and those efforts will also continue.

Mortar rounds first visit a station called the Munitions Washout System consisting of two Improved Cavity Access Machine arrays with four lines each.

The first two CAM configurations relied upon gravity to remove chemical agent from 105mm and 155mm projectiles. The MWS robotic arm placed the projectile upside-down into the CAM. The CAM operated by hydraulically pushing the burster well (a tube in the middle of the projectile) into the munition. The collapsed burster well created an opening for agent to drain from the munition, which was then rinsed.

With the new ICAM system installed in the fall of 2022, the MWS processes 4.2-inch mortar rounds using a robotic arm to place a mortar round into the machines. The first step removes the burster well from the mortar round and rinses it. The ICAM moves the burster well to a punch site, where holes are punched to vent any pressure while the munition body goes through a final thermal treatment process. The second step of the ICAM takes the mortar round to a wash water station, where a wash wand, or drain tube, vacuums agent from the upright mortar round. Wash water is then sprayed inside the mortar round to rinse out any residual agent. The ICAM lifts and rotates the mortar round to ensure agent removal from all interior surfaces. Chemical agent and rinse water are piped to another area of the plant where agent is neutralized. After the rinse is complete, the punched burster well is returned to the mortar body. The robot then removes the mortar shell from the ICAM and transfers it to the Munitions Treatment Unit for final processing.

The ICAMs were developed using lessons learned from 105mm projectile CAMs, resulting in greater reliability, safety, and less maintenance in contaminated areas. The SDC units are also being used to destroy 4.2-inch mortar rounds and problematic 105mm and 155mm projectiles, which were deemed unsuitable for processing in the main plant.

The SDC complex at PCAPP remains essential for the ability to process munitions regardless of their configuration or physical condition, reducing the manual handling of such chemical weapons that were overpacked, or placed in sealed containers, for various reasons.

The Program Executive Office, Assembled Chemical Weapons Alternatives is responsible for completing stockpile destruction operations by the Chemical Weapons Convention treaty commitment of Sept. 30, 2023. U.S. public law mandates stockpile destruction by Dec. 31, 2023.

Pueblo Chemical Stockpile Outreach Office
104 W. B St. Pueblo, Colorado 81003
(719) 546-0400 • puebloutreach@iem.com

Pueblo Chemical Agent-Destruction Pilot Plant Public Affairs
(719) 549-4959

U.S. Army Pueblo Chemical Depot Public Affairs
(719) 549-4135

Oct. 27, 2022

Video conceived/produced:

https://youtu.be/JNxnsvCp1jQ?si=pq5MyhI6eL4z_mmn
https://youtu.be/-79cNndhQtI?si=9WkWSRfnzsuY8i7K

https://www.instagram.com/p/CFDaHDxn1jQ/

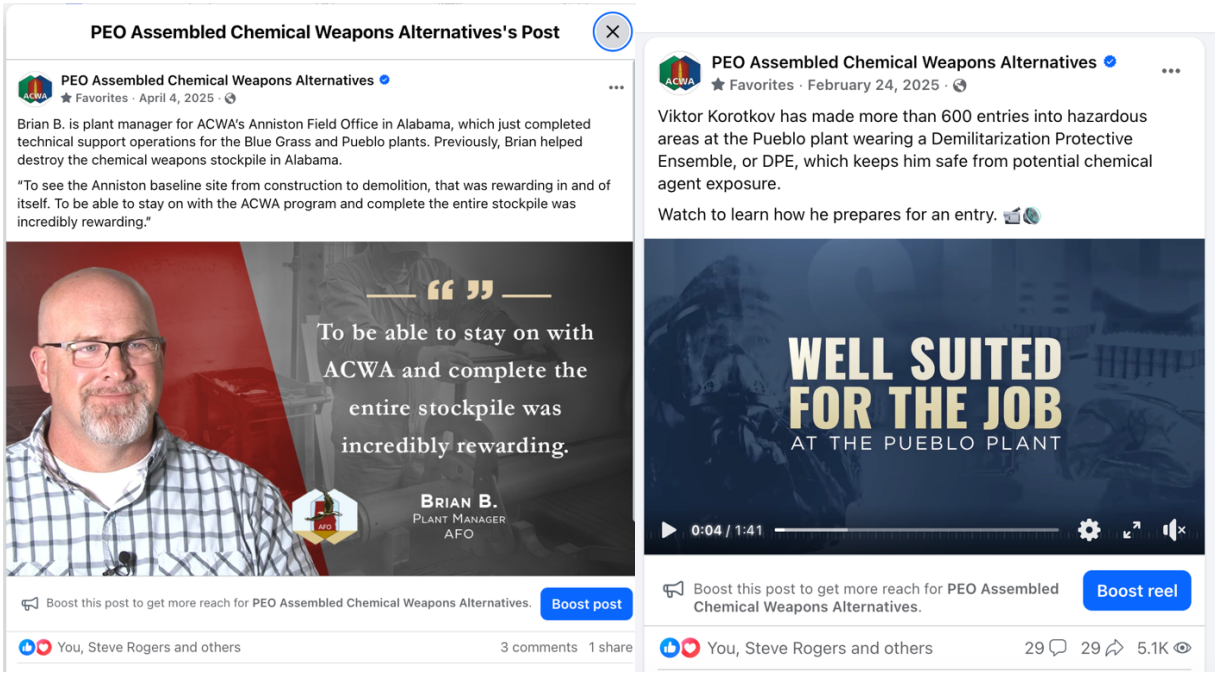
https://www.instagram.com/p/CFbETIcHq9b/

Video series conceived, shot and edited/produced:
https://youtu.be/9dbCikr0HXg?si=88yVKbWVieRPZCaG

https://youtu.be/bhfREdgLIEg?si=y6GEzMe43WIZUm0u
https://youtu.be/zNs1blt3enE?si=bR2H3MnaPdjdkMGj

https://youtu.be/7LgSI3CipJw?si=s6SRmiHycT6yNISl
https://youtu.be/lYn1HYr0xSg?si=AxRn5w8v52go6F05

Social Media channel management:



Pueblo Star Journal
February 6 at 1:25 PM

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Pueblo Star Journal
February 8 at 5:00 PM

Superintendent Barbara Kimzey said the plan is designed to focus district resources more directly on students rather than maintaining excess facilities.

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Pueblo Star Journal
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https://pueblostarjournal.org/news/2026/01/30/district-60-board-approves-elementary-school-consolidations-under-rightserving-plan

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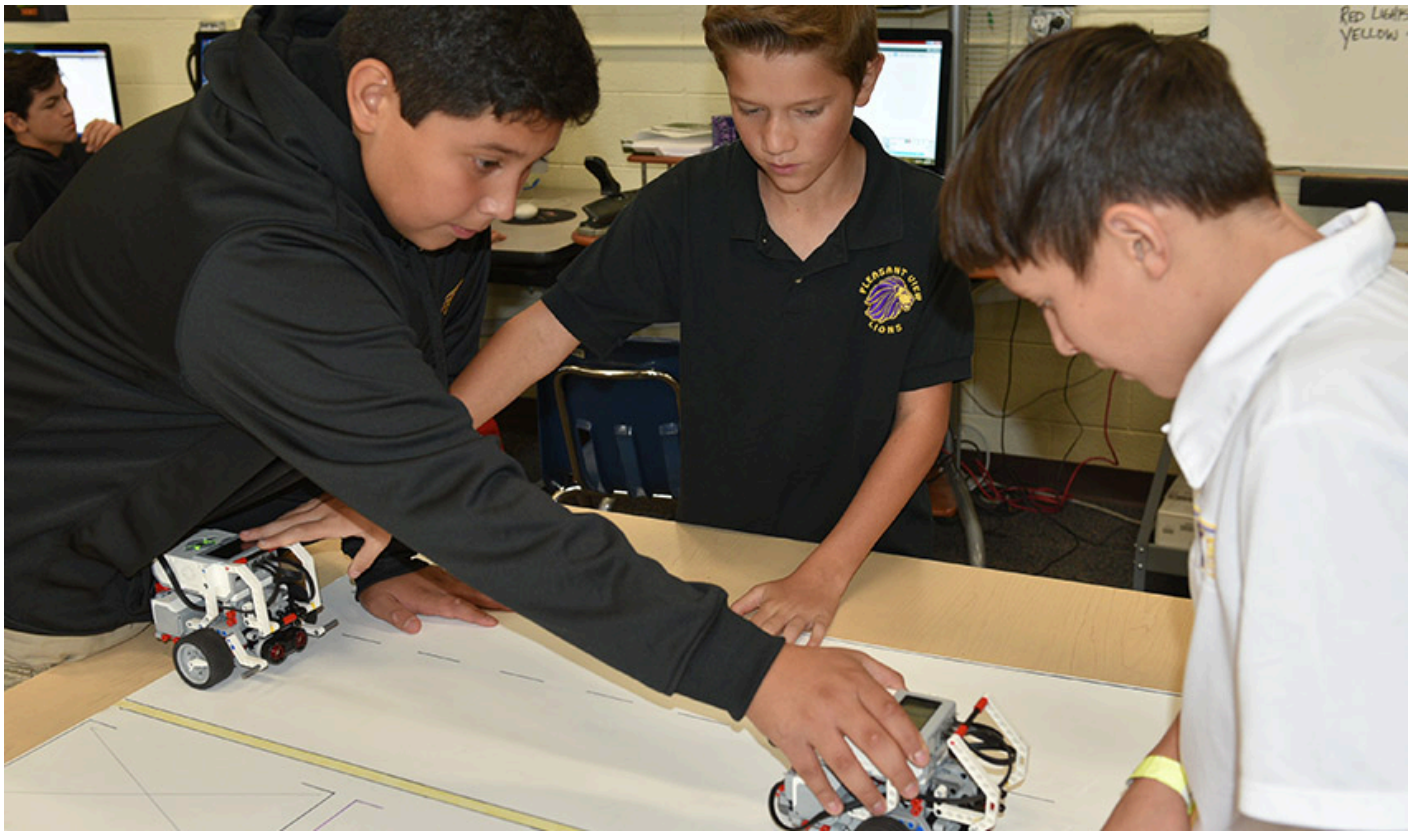
Chemical Demilitarization in the Classroom

October 30, 2019 / PCAPP News, Events

Pleasant View Middle School students, along with teacher Todd Seip, watch training specialist Kent Ladd point out the parts and contents of a chemical weapon during a Pueblo Chemical Agent-Destruction Pilot Plant Training Facility tour.



Pleasant View Middle School students in Todd Seip's automation and robotics class work on programming autonomous vehicles they assembled from LEGO EV3 kits to learn parallel parking skills.

Pleasant View Middle School students in Todd Seip's automation and robotics class work on programming autonomous vehicles they assembled from LEGO EV3 kits to learn parallel parking skills.

Pleasant View Middle School students, along with automation and robotics teacher Todd Seip, watch control room operator Dirk Smith use a lift-assist to move test munitions during a Pueblo Chemical Agent-Destruction Pilot Plant Training Facility tour.

Pleasant View Middle School students, along with teacher Todd Seip, watch training specialist Brett Peterson demonstrate Demilitarization Protective Ensemble gear during a Pueblo Chemical Agent-Destruction Pilot Plant Training Facility tour.

Pleasant View Middle School students, along with automation and robotics teacher Todd Seip, listen as training specialist Tom Bailey talks about Munitions Washout System robotics during a Pueblo Chemical Agent-Destruction Pilot Plant Training Facility tour.

Students at a local school, not far from the heavily automated plant destroying chemical weapons, are learning that robots come in all shapes and sizes.

“I think this will really help them to see what their small-scale project is going to look like and put it into a real-world context,” said Todd Seip, teacher, Pleasant View Middle School.

Seip’s class toured the Pueblo Chemical Agent-Destruction Pilot Plant’s nearby training facility and watched a life-size, working Projectile/Mortar Disassembly system maneuver empty test munitions through the enhanced reconfiguration process used at the real plant.

A day earlier, in his classroom – half computer lab, half industrial arts shop – Seip oversaw a demonstration by his seventh-graders as they ran small LEGO robots they had programmed themselves through tabletop mazes drawn on large sheets of paper, before shifting gears to teach the autonomous vehicles parallel-parking skills.

He said seeing the gauntlet of automated systems going through the motions of dismantling inert munitions was a valuable experience for the students.

"We talk and discuss how mechanical precision is not just important but can be vital to the safety of the workers and machines being used," Seip said. "Although our student-assembled LEGO EV3 robots are precise to the millimeter in some of our robotic challenges, the robotics machinery (in the plant) obviously needs to be even more precise."

Automated systems help the Pueblo plant safely destroy Colorado's portion of the remaining United States chemical weapons stockpile. The Projectile/Mortar Disassembly system dismantles munitions in the Explosion Containment Rooms of the Enhanced Reconfiguration Building. Automated Guided Vehicles carry the munitions to the Agent Processing Building, where a Munitions Washout System drains mustard agent to be eliminated through a process known as neutralization followed by biotreatment. The metal shells get recycled, and the leftover chemicals are shipped to approved waste treatment facilities.

Tom Bailey, training specialist, PCAPP, said the training facility helps reinforce STEM – science, technology, engineering and math – principles that are so important today.

"If this is a positive influence in our community, we're happy for it," he said. "But really, I think, at the end of the day the people who come and visit us walk away with a clear understanding of the engineering, the science and the physical aspects of the robotics that it takes to do what we do here."

Before visiting the training site, Seip said, the students expected its large robots to be complicated and hard to program. Instead, they noted that the control program they saw in action was simpler in some ways than what they used to teach their automated maze runners and parallel parkers.

Seip said teachers at Pleasant View this winter will coordinate on a project for their sixth-graders based on the early 20th century, and he will focus on science and technological advancements during World War I, in part using fact sheets provided by PCAPP. "One of the areas we will cover is warfare and chemical warfare," he said. "That will lead to talk of chemical agents and how they were used, then subsequently banned. And now that they are banned, how do we destroy them without harming our environment?"

https://youtu.be/_bQHxuFgEoE?si=31VZwn2U_T3COOLa