Supporting Wildfire Professionals and Keeping Communities Safe

ccess Honies



earch Supporting Sound Decision





Preparing the Next Generation for Wildfire Challenges

Strong communities start with informed citizens. The Fire Ecology Learning Lab (FELL) gives educators the tools to teach students about wildfire science and land management, ensuring the next generation is ready to meet the challenges of living with fire. By promoting practical knowledge and responsibility, FELL helps strengthen wildfire preparedness at the local level.

- Expanding Reach: From 2023-2025, FELL engaged over 16,000 students across the Southwest, equipping them with critical knowledge about wildfire behavior and safety.
- Science-Based Learning: FELL provides a rigorous, standardsaligned curriculum for middle school students, along with flexible modules for K-12 classrooms, ensuring students receive a solid foundation in wildfire science.
- Enhancing Community Preparedness: By integrating wildfire education into schools, FELL is helping to ensure that future landowners, firefighters, and decision-makers have the knowledge they need to protect homes, businesses, and natural resources.

The Southwest Fire Science Consortium (SWFSC) gets emerging science on the ground by connecting scientists, land managers, and the public. By facilitating these connections, the SWFSC helps to assure that scientists are addressing the most pressing questions and managers are applying cutting-edge science and diverse knowledge in their efforts to protect communities and critical natural resources.

Additional funding for this project provided by:







Read the story...

The Fire Ecology Learning Lab (FELL) is a rigorous, standards-aligned middle school curriculum with K-12 modules for informal educators. Designed to equip students with a strong understanding of wildfire science, it explores how wildland fire shapes the landscapes of New Mexico and Arizona and how fire is managed to protect communities and natural resources.

Students engage in hands-on activities to study combustion, fire behavior, and how plants and animals adapt to fire-prone environments. Using interactive games and experiments, they examine the role of different fuels in wildfire dynamics and learn the terminology used by fire professionals. This program also introduces students to career opportunities in fire management, ensuring they gain the skills and knowledge needed for the future workforce.



FELL Ambassador Derek Lameman leads a plant adaptation experiment with students, demonstrating how heat transfers through "bark" paper of different thicknesses.



Adaptations to Fire

"Really detailed curriculum, love that it starts with a foundation of ecology and biomes before even introducing fire." -- *Teacher that uses the curriculum*

