

Gonzales Ranch Restoration Day

Enduring Understanding(s):

- Students will understand that plants, animals, and people are interconnected.
- Students will understand that community-based restoration is an effective nature-based solution to make our watersheds more resilient in the face of climate change.
- Students will feel empowered through their restoration work and hopeful for the future.

NGSS Standards Met:

- Science and Engineering Practices:
 - Asking questions and defining problems
 - Construction explanations and designing solutions
- Disciplinary Core Ideas:
 - ESS3.C Human impacts on Earth Systems
 - LS2.A Interdependent relationships in ecosystems
 - LS2.C Ecosystem dynamics, functioning, and resilience
 - LS4.D Biodiversity and humans
- Crosscutting Concepts:
 - Cause and effect
 - Structure and function
 - Stability and change
 - Systems and systems models
 - Patterns
 - Scale, proportion, quantity

Objective(s):

- Students will know their restoration work connects to their classroom curriculum and discover why it matters to them through reflection.
- Students will know restoring watersheds requires teamwork and partnerships from many perspectives.
- Students know they are doing real, long-lasting restoration work.
- Students will be able to safely and professionally plant and protect a plant.
- Students will know different plants have unique requirements and like to be planted in different locations.
- Students will know STRAW is a project of Point Blue Conservation Science.
- Students will know that biodiversity makes a site more resilient to climate change and supports a wide variety of animals, and healthy watershed for people.
- Students will know a brief history of the land they are standing on.
- Students, parents, and teachers will know that even though restoration work is hard, students are capable of utilizing teamwork and creativity to do the work.
- Teachers will reflect and share why doing a STRAW restoration project matters to him/her and his/her curricula
- Students will know that there are a lot of types of restoration practices that can be leveraged to restore an area (invasive species removal, sprigging, seeding, bioengineering)
- Students will know that we will continue to take care of their plants, that their work will last a long time
- Students will know the plan for the day, environmental hazards, and how to stay safe, hydrated and fed while outside.
- Students will be able to pack up their trash throughout the day, limiting our negative impact on the land.