

OREGON RURAL COMMUNITY SCHOOLYARDS

Building community, health, climate resilience and education in Oregon's schoolyards





TRANSFORMING RURAL SCHOOLYARDS INTO PUBLIC GREEN SPACES THAT ARE...





Outside of school hours, the community schoolyard can be a space for a rural community to gather, play, and socialize. More green space means more opportunities for social cohesion, which is essential in rural areas without robust park systems.

...BY COMMUNITY, FOR COMMUNITY



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Community schoolyards promote more physical activity in children, reducing health risks associated with lack of exercise. Community schoolyards are good for mental health, too, leading to better stress management, improved behavior, and increased social relationships.

...HEALTHY FOR ALL AGES + ABILITIES

While each schoolyard is tailored to its context, all share a set of key priorities: community, climate resilience, health, and land-based education.





As rural communities face a range of climate threats, from wildfires and droughts to heavy rains and flooding, resilient schoolyards can provide places to play in all weather.

...CLIMATE RESILIENT FOR FUTURE GENERATIONS





Access to green space in school can lead to better grades, higher test scores, improved graduation rates, and reduced absenteeism. Native ecologies in the community schoolyard provide a learning laboratory for students to understand the world around them.

...LEARNING LANDSCAPES ROOTED IN THEIR CONTEXT

WHY RURAL SCHOOLYARDS? EQUITY IN OREGON'S RURAL COMMUNITIES

MAPPING RURAL INEQUALITY

The Trust for Public Land analyzed 140 rural communities in Oregon. Across the state, they found that in rural towns...





LEGACIES OF COLONIZATION + DISPLACEMENT: 150 YEARS OF NATIVE LAND LOSS

Native people in Oregon face challenges from the loss of land and resources caused by colonialism. In the mid 20th century, the federal government terminated many Oregon tribes, denying them access to the reservation lands they had been promised in treaties. Tribes today continue to repair the deep losses caused by these dispossessions.



Rigorous data analysis found that rural communities across the state face significant health, equity, and climate challenges.



FOUR TOWNS SELECTED FOR SCHOOLYARD TRANSFORMATION



Located across the state, these diverse towns demonstrated both high need and great potential for a community-led schoolyard project.





Riddle Elementary School

PRIORITY 1: BUILDING COMMUNITY



The project is anchored in a deep process of relationship-building, developing a shared vision, and fostering long-term investment and stewardship.



POST-INSTALL

CENTERING THE VISION OF YOUTH



In-class workshops teach students to be "junior landscape architects," imagining their new schoolyard through collaborative mapping and collage. Meetings with ESL and special education classes ensure that the design meets all students' unique needs. The program involves high school students with skills from early childhood education and FFA to help engage students.





Between designers, clients, and community coordinators, the program team visits each town regularly throughout the design and implementation process.

PRIORITY 2: CLIMATE RESILIENT SPACES FOR FUTURE GENERATIONS

CLIMATE THREATS IN OREGON



WILDFIRES (1894-2020)
WILDFIRE RISK RATING

INCREASED HEAT + WILDFIRE RISK

Rising global temperatures will lead to hotter conditions, more frequent hot days, and higher average temperatures in Oregon. Children are particularly vulnerable to the health impacts of extreme heat. More frequent wildfires pose a health risk due to particulate matter, which can worsen existing health conditions like asthma.



PRECIPITATION EXTREMES + SNOW PACK LOSS

Oregon will see more extreme fluctuations in precipitation; dry areas will experience increased drought, while wetter areas will see more rain events, particularly in winter. Warmer temperatures will cause declines in snow pack, earlier runoff, and lower summer stream levels.

Strategic design solutions support human and nonhuman resilience in the face of increasing wildfire risk, rising temperatures, and drought.

DESIGN STRATEGIES FOR HEAT + SMOKE



Use resilient paving materials that don't crack and fade from UV exposure



Increase tree canopy cover to create shade and capture particulate matter



Provide shaded spaces using rural vernacular building typologies

DESIGN STRATEGIES FOR PRECIPITATION EXTREMES



Select drought-tolerant native plants to reduce water demand



Promote year-round and all-weather activity for children with covered play

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Reduce asphalt and plant stormwater gardens to increase water storage



ON THE GROUND: ADAPTIVE CLIMATE STRATEGIES



With limited budgets in mind, a focus on low-cost, high-impact resilience tools helps ensure longevity in a changing climate.



PRIORITY 3: HEALTHY COMMUNITIES WHERE PEOPLE OF ALL BACKGROUNDS CAN THRIVE



The program tackles rural health barriers by connecting users with public, high-quality outdoor spaces to enjoy nature and get active.



ON THE GROUND: AFFORDABLE HEALTH SOLUTIONS

HEALTH BARRIERS IN EXISTING SCHOOLYARD





ADDRESSING HEALTH THROUGH DIVERSE PLANTING, THOUGHTFUL MATERIALS, AND PROGRAMMING OPPORTUNITIES



With a goal to get kids moving, the design removes barriers to healthy play and adds accessible surfacing, shade trees and dynamic play equipment.



PRIORITY 4: LEARNING LANDSCAPES ROOTED IN THEIR ECOLOGICAL + CULTURAL CONTEXT



In response to expressed desires to feel more connected to nature, designs celebrate local identity while offering immersive learning opportunities.



ON THE GROUND: DESIGNING FOR SPECIFICITY OF PLACE

COMMUNITY PRIORITIES: CELEBRATING WHAT MAKES ONTARIO SPECIAL

MANY LANGUAGES + CULTURES COME TOGETHER HERE

Ontario's diverse population includes Basque, Japanese, Latin American, and Somali communities. Students speak 17 languages at schools in Ontario.

The tater tot was invented in Ontario, which is still home to Ore-Ida's primary plant. Local agriculture includes potato and onion production.

AGRICULTURAL HERITAGE

RICH **SAGEBRUSH ECOLOGY**

Outside of riparian and agricultural areas, the sagebrush steppe is home to a diverse community of high desert flora and fauna.

INCORPORATING COMMUNITY IDENTITY THROUGHOUT THE SCHOOLYARD



MULTI-LINGUAL SIGNAGE IN ENGLISH, SPANISH + JAPANESE



Rigorous site analysis zooms into particularities of each locale, finding their way into manifestations large and small throughout the schoolyards.

ANIMAL TRACK PLAY PATHS

CUSTOM ONION-SHAPED PLAY EQUIPMENT

ON THE GROUND: HONORING INDIGENOUS LANGUAGE + ETHNOBOTANY

?EWKSIKNII MAQLAQS, SAT'WAAYA DMOOYEEGA T'EYNNI STAPGA

'PEOPLE FROM THE LAKES, PONDS, AND MARSHES, HELP START NEW PLANT GROWTH'

PASSING DOWN TRADITIONAL ECOLOGICAL KNOWLEDGE

Conversations with Klamath Tribal elders highlighted the importance of sharing both traditional plant knowledge and language. Through collaboration with tribal knowledge keepers, bilingual signage was designed to share this knowledge in both text and audio.

By finding tangible ways to celebrate local Indigenous cultures, the deep power of naming and language are shared through interactions with the land.

KEYSTONE SPECIES FOR ECOLOGY + CULTURE

Developed collaboratively with Tribal elders, featured species such as Prunus virginiana (doycq'as, chokecherry) and Prunus subcordata (dmolo, Klamath plum) both support tribal cultural heritage and provide habitat for native pollinators. Community members offered plants to transplant.

IT TAKES A TOWN: IMPLEMENTATION THROUGH COMMUNITY SUPPORT

RELY ON LOCAL FUNDING TO SHOW COMMUNITY INVESTMENT

Small donations from local residents demonstrate community support for the project to larger donors.

TARGET LARGE FUNDING FROM OUTSIDE SOURCES

Large funding comes from federal or state grants, Tribal grants, and philanthropic sources supporting health, education, the environment, and the arts.

TAKING CARE WITH LIMITED RESOURCES

CHILOQUIN COST BREAKDOWN

25%	22%	15%	14%	12%	7%	6%
HARDSCAPE	COVERED STRUCTURE	PLAY	PREP + GRADING	PLANTING	ART + SIGNAGE	FURNISHINGS

Meaningful participation is instrumental for success of the schoolyards at all stages, from early decision-making to construction and ongoing care.

CHILOQUIN

GET LOCAL VOLUNTEERS INVOLVED

Project partners offer their time for everything from grant writing to watering to building raised bed planters and supplying manure for compost.

SPEND MONEY LOCALLY TO SUPPORT RURAL ECONOMIES

The program prioritizes sourcing materials locally and hiring local consultants, artists, and contractors to contribute to the local economy.

BUILDING SCHOOLYARDS, BUILDING COMMUNITIES: OUTCOMES

COMMUNITY PRIDE + WELL-BEING

"I want to thank the generous way that you all have honored the Klamath Tribes, with our language on this new facility, the plants, the traditional plants. I know that all the folks that are here regularly know that we are engaged in a daily, seemingly never ending battle for the recovery and ecological health of our homeland. I see all those plants that we're going to have and the names that we have up there for our plants as validating, validating that for our kids and validating that for our community, so thank you for that. And very last, I want to say that I see this as a great example of cross-cultural collaboration, of cross-cultural shared vision, that the larger society with all its problems could learn a lot from, so I'm proud of you, I'm proud of us."

-Clayton Dumont, Chairman, Klamath Tribes

ONE SCHOOLYARD SPURS FURTHER INVESTMENT

The project has galvanized new investments in Chiloquin's public realm:

High School Track & Field Facility

Chiloquin Parks Master Plan

Safe Routes to Schools Improvements

STUDENT OUTCOMES AFTER INSTALLATION

From design through occupancy, the schoolyards give young people the capacity to dream expansively and experience the impact of investment.

CHILOQUIN

