



HEALTHY AIR LIVINGTM SCHOOLS



and



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San Joaquin Valley
Air Pollution Control District

Engagement with Schools

Goals for outreach to Valley schools include:

- Protect health and well-being of Valley children/students.
- Educate children, parents and teachers on air quality and District programs.
- Encourage use of District's RAAN (Real-time Air Advisory Network) as a tool to modify outdoor activities based on air quality.
- Establish successful anti-idling campaign throughout Valley.



History of School Outreach Program

- In 2005 the District began supporting county asthma coalitions in administering a new Air Quality Flag program which provided colored flags to schools corresponding to the Air Quality Index and the daily Air Quality Forecast.
- Similar to EPA's current flag program
- By 2008, District began to get complaints about the imprecise nature of daily flags.

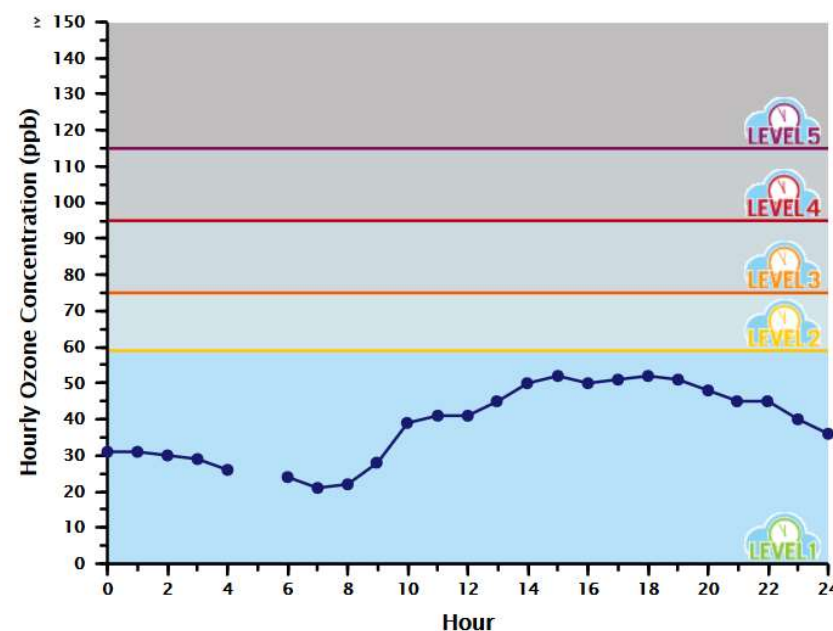


Evolution of RAAN

After several years of development, the District launched its Real-time Air Advisory Network (RAAN), providing schools and the public with air quality data, collected in real-time, from the District's vast network of monitoring stations.

RAAN displays hourly concentrations of ozone and particulate matter pollution.

By 2014 the District took steps to retire the outdated flag program and encouraged Valley schools to make outdoor activity decisions based on real-time air quality information.



RAAN and HAL Schools

Now, more than 1000 Valley schools use RAAN to regularly check air quality for individual schools or entire school districts as one of their main tools to plan and determine safe outdoor playtime, physical education, sporting events and other outdoor activities. This is available by inputting any location in the Valley at www.myRAAN.com.



ROAR

ROAR accompanies RAAN as a guide to help schools make educated decisions on outdoor activities and their duration based on current air quality.



Real-time Outdoor Activity Risk (ROAR) Guidelines

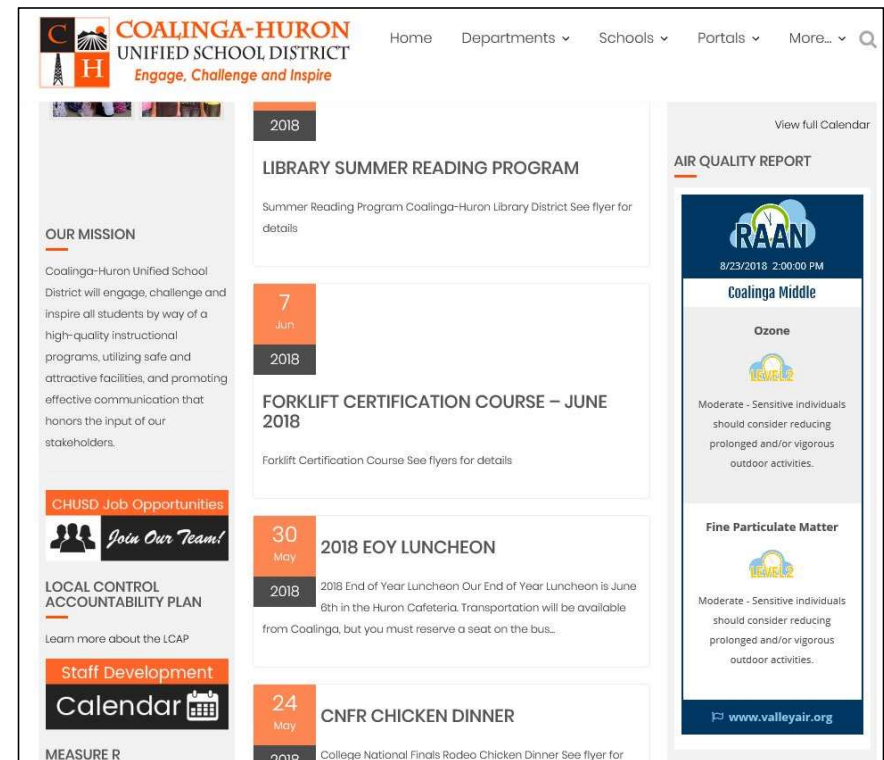
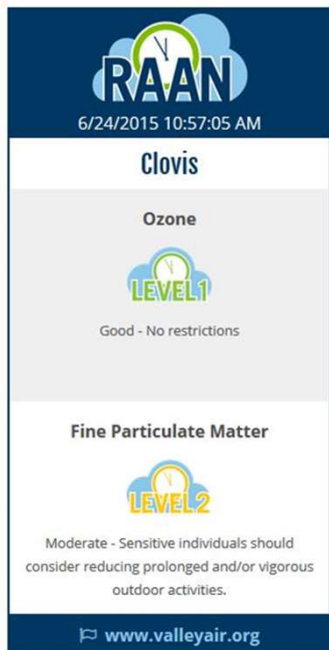
	Level 1	Level 2	Level 3	Level 4	Level 5
Recess (15 min)	Outdoor activity OK for all.	Ensure that sensitive individuals are medically managing their condition.*	Sensitive individuals should exercise indoors or avoid vigorous outdoor activities.*	Exercise indoors or avoid vigorous outdoor activities. Sensitive individuals should remain indoors.*	No outdoor activity. All activities should be moved indoors.
P.E. (1hr)	Outdoor activity OK for all.	Ensure that sensitive individuals are medically managing their condition.*	Sensitive individuals should exercise indoors or avoid vigorous outdoor activities.*	Exercise indoors or limit vigorous outdoor activities to a maximum of 15 minutes. Sensitive individuals should remain indoors.	No outdoor activity. All activities should be moved indoors.
Athletic Practice & Training (2-4hrs)	Outdoor activity OK for all.	Ensure that sensitive individuals are medically managing their condition.*	Reduce vigorous exercise to 30 minutes per hour of practice time with increased rest breaks and substitutions. Ensure that sensitive individuals are medically managing their condition.	Exercise indoors or reduce vigorous exercise to 30 minutes of practice time with increased rest breaks and substitutions. Sensitive individuals should remain indoors.	No outdoor activity. All activities should be moved indoors.
Scheduled Sporting Events	Outdoor activity OK for all.	Ensure that sensitive individuals are medically managing their condition.*	Increase rest breaks and substitutions per CIF guidelines for extreme heat.** Ensure that sensitive individuals are medically managing their condition.	Increase rest breaks and substitutions per CIF guidelines for extreme heat.** Ensure that sensitive individuals are medically managing their condition.	Event must be rescheduled or relocated.
PM2.5 Range	1-12 µg/m ³	13-35 µg/m ³	36-55 µg/m ³	56-75 µg/m ³	>75 µg/m ³
Ozone Range	1-59 ppb	60-75 ppb	76-95 ppb	96-115 ppb	>115 ppb

* Sensitive Individuals include all those with asthma or other heart/lung conditions

** California Interscholastic Federation

RAAN Widget

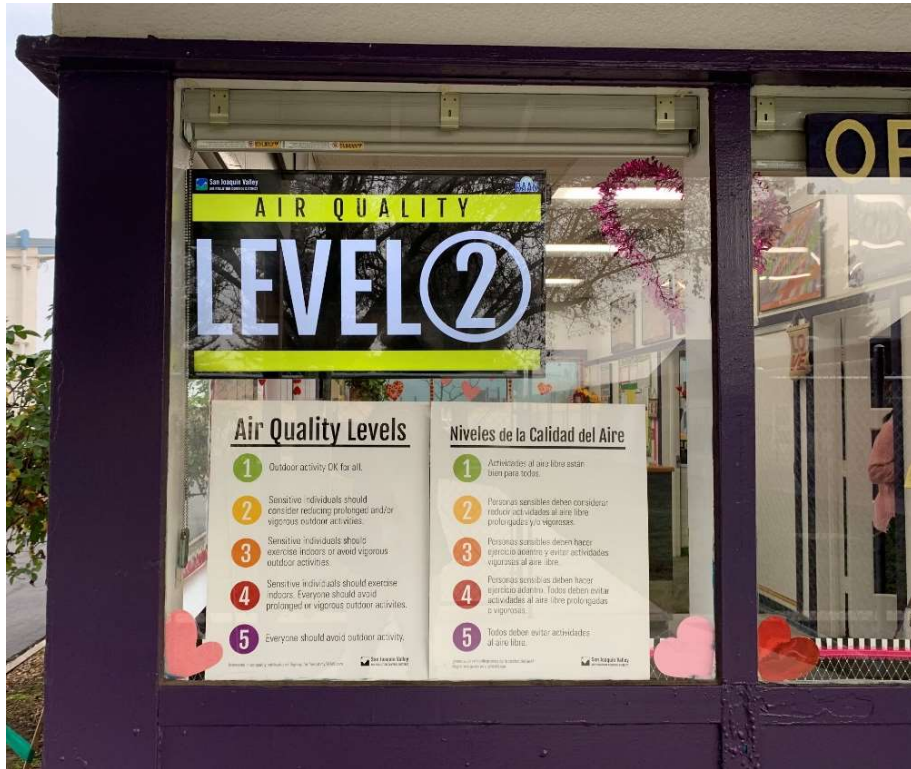
Further development of RAAN resulted in the Widget, a tool making it even easier for schools and parents to access current air quality information, by placing it directly on their website.

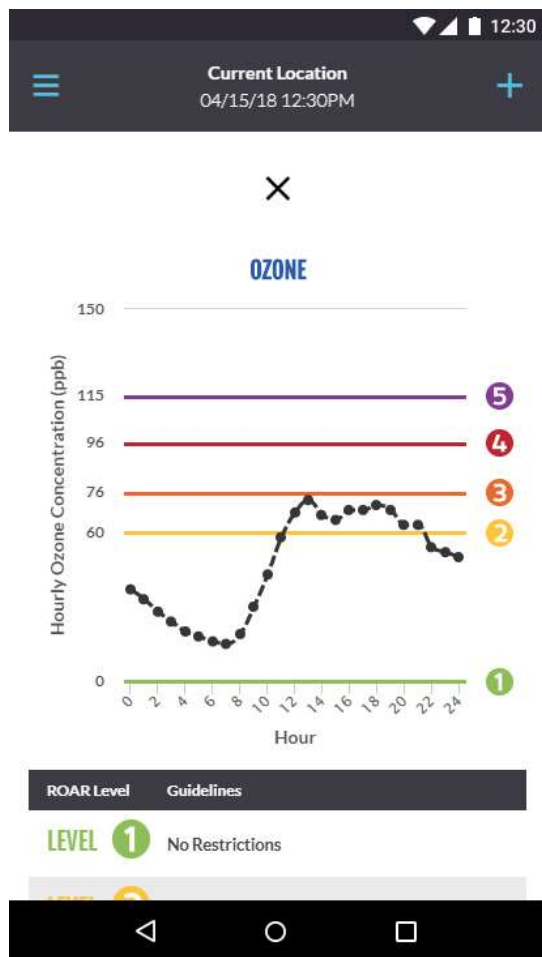


Anti-Idling Campaign

At least 350 Valley schools currently post anti-idling signs in English and Spanish discouraging parents from leaving their vehicles running while waiting to pick up or drop off their children.

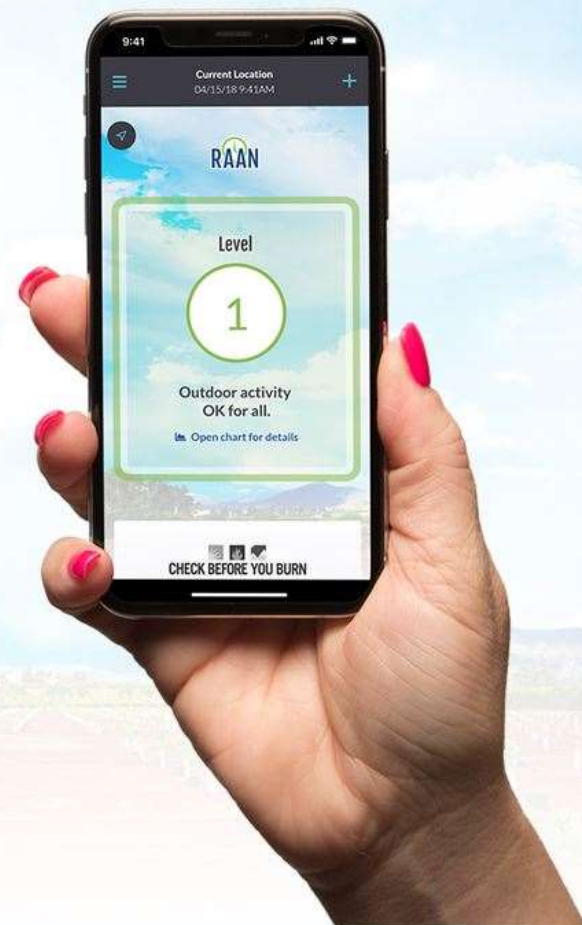






AIR QUALITY AT YOUR FINGERTIPS

Keep track of current air quality in all of your important neighborhoods with Valley Air, the official app of the San Joaquin Valley Air Pollution Control District.



Air quality policies for schools

Participating schools are encouraged to establish a policy for cancelling outdoor events during periods of poor air quality.

SAMPLE AIR QUALITY POLICY TEMPLATE

(This document is intended to serve as a starting point template example for schools to consider with the recognition that different school districts will develop and adopt policies based on their own preferences and at their full discretion)

Administrative Regulation AR [0000.0]¹

[SAMPLE SCHOOL DISTRICT NAME]

Outdoor Air Quality Safety

The Board recognizes its responsibility to restrict physical activities in school or at school-sponsored activities during episodes of poor air quality. The Board also recognizes the importance of working with the San Joaquin Valley Air Pollution Control District (hereafter the "Valley Air District") to monitor the quality of air for the health and safety of our students and employees. The Board authorizes the Superintendent to develop and implement regulations and procedures to meet protocols set forth by the Valley Air District.

The objective of the Outdoor Air Quality Safety program is to:

- A. Continually monitor the ozone or fine particulate matter (PM 2.5) concentrations as measured by the Real-Time Air Advisory Network (RAAN) and reported by the Valley Air District;
- B. To implement procedures designed to lessen and prevent unhealthful consequences from polluted air conditions;
- C. To respond to outdoor physical activity recommendations developed by the Valley Air District in consultation with health researchers at U.S. EPA, UCSF, CSU-Fresno, UC Berkeley, and the Fresno/Madera Medical Society, as presented in the Real-Time Outdoor Activity Risk (ROAR) guidelines (Exhibit no. [0000.0]).

It is the responsibility of the [school site principal, nurse, athletic director, or other designated staff] to implement the Outdoor Air Quality Safety procedures by:

- A. Consulting with the [district department or designee] who oversees this work area.
- B. Monitoring the changes in air pollution during the course of each day using RAAN.
- C. Enforcing the physical activity restrictions placed on each child and employee in accordance with ROAR guidelines.

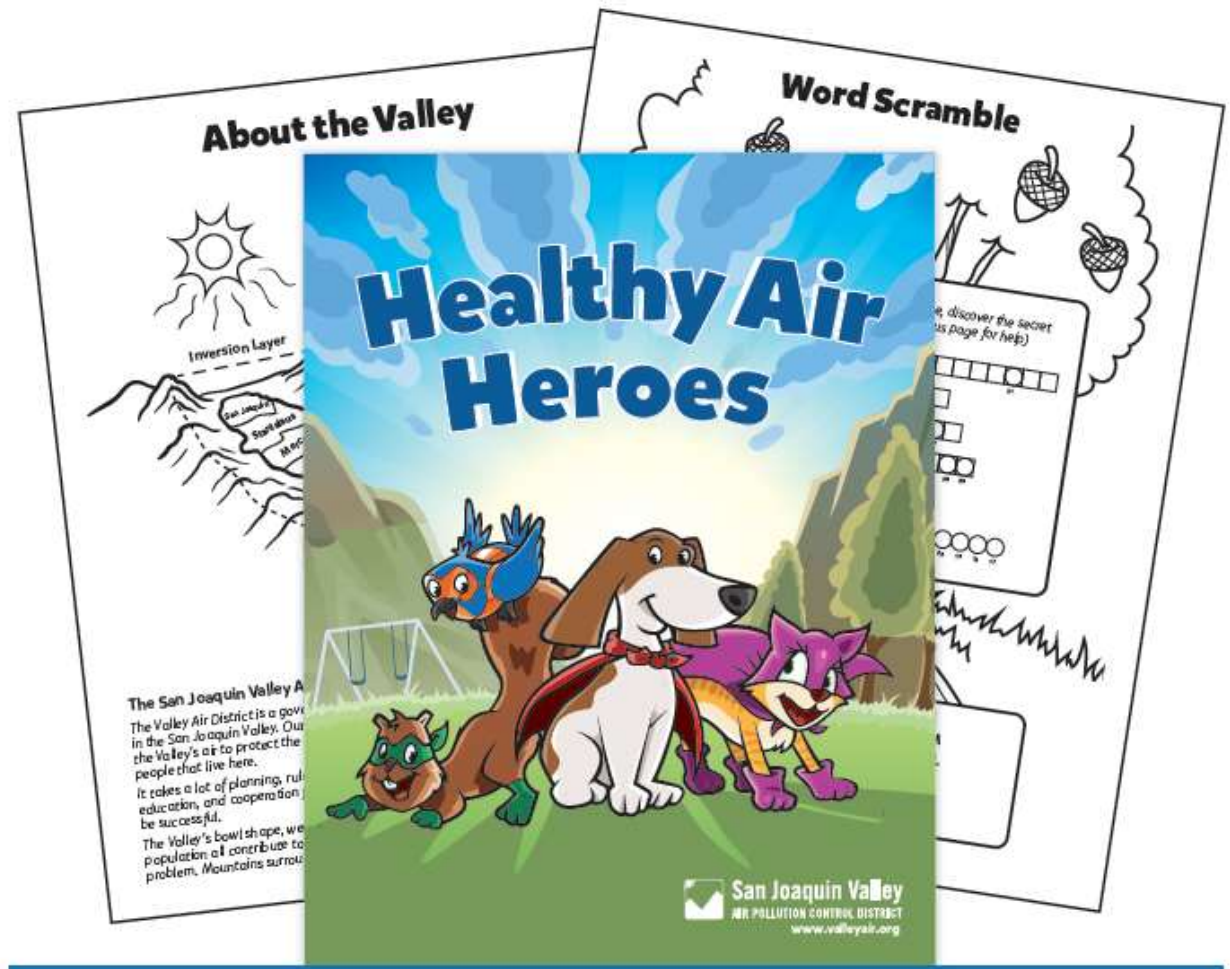
¹ This template is intended as a flexible set of guidelines for the benefit of San Joaquin Valley school districts seeking reasonable air quality policy recommendations. Areas highlighted in red are customizable according to the diverse needs of different districts.

Activity Kits

Healthy Air Heroes activity kits can be requested by teachers and used as a classroom assignment or by parents to educate kids about air quality at home.

The free kit includes:

- Activity booklet
- Pencil
- Crayons
- Stickers
- Puzzle



CALL for ENTRIES!

Students must submit artwork by Oct.12, 2020!

www.valleyair.org/kidscalendar



2021 Kids' Calendar Contest

Each year the District produces a calendar with messages about Healthy Air Living and the artwork of K-12 graders from all over the Valley. The popular calendars are then distributed to schools and public agencies Valley-wide.





One program with three distinct components designed to remove gross-polluting vehicles from Valley roads and encourage drivers to make the change to drive emissions-free.

- Repairing vehicles that do not pass state emissions test
- Replacing older, high-polluting vehicles for low-income families to newer, cleaner cars
- Providing a simple rebate for the purchase or lease of new, zero-emission and near-zero emission vehicles



Tune in & Tune Up Repair Events

- Free emissions testing events on large scale
- Up to 525 cars tested at each event
- Cars that fail test are eligible for up to \$500 worth of repairs.
- Repaired vehicles ready to pass smog test
- Vehicles 1999 and older that fail are eligible for replacement program
- During COVID-19 pandemic residents able to set up appointments for free testing and receive electronic repair voucher for vehicles that fail.

**tune in and
tune up**
www.valley-can.org



Replace Program

Funding for families in disadvantaged communities to replace older, high-polluting vehicles with newer, cleaner vehicles

- Vehicle must be 1999 or older and fail emissions test
- Lower income families receive larger funding amount for replacement
- Funding based on income, zip code and type of replacement vehicle
- Incentivizes electric vehicles with larger grant amount
- Up to **\$9,500** for battery electric and plug-in hybrid vehicles





Residents, businesses and public agencies are eligible for this program providing as much as \$3,000 back when leasing or purchasing a new, battery electric, plug-in hybrid, natural gas or fuel cell vehicle.



Rebate Program

Vehicle Type	Incentive
Battery-electric vehicles (BEV)	up to \$3,000
Hydrogen fuel cell vehicles (HFC)	up to \$3,000
Plug-in hybrid electric vehicles (PHEV)	up to \$2,000
Zero-emission motorcycles (ZEM)	up to \$1,000
Natural gas (NG) vehicles rated as a Super Ultra-low Emission Vehicle (SULEV)	up to \$1,500
Natural gas (NG) vehicles rated as an Advanced Technology Partial Zero-emission Vehicle (AT PZEV)	up to \$2,000

How to contact us:

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For more information on District programs visit:

www.valleyair.org
www.healthyairliving.com

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social media



Use the Valley Air
App for the latest
air quality info.

