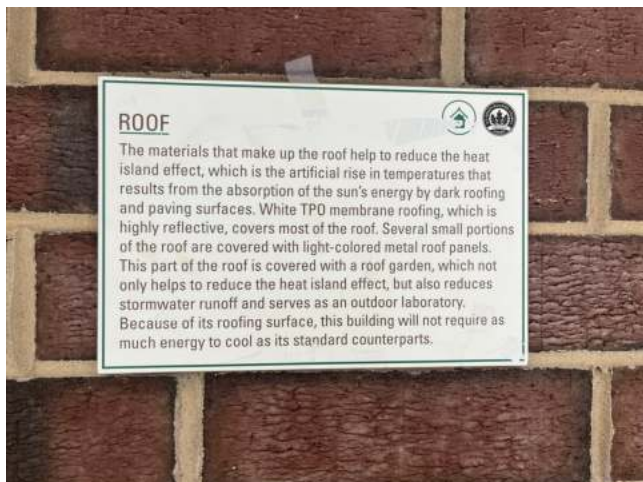


Team name: Sustainasaurus
Username: BT97662
School: Alexandria City High School







(via marine conservation club)



(via @achsgardenclub)



Instagram Post material:

Sustainability at Alexandria City High School



Alexandria City High School is gold
LEED certified

Clubs



The Marine Conservation Club at ACHS organizes local cleanups! This benefits our community by having a cleaner environment and our ecosystems can rid themselves of plastic all with the help of these students.

ACHS Garden Club works in the community gardens on the school plot. These gardens are right behind the school and provide gardening opportunities to our community. Our cafeteria staff compost food waste in 5 gallon buckets for them to compost in the garden.



Water Management



Water bottle fillers make it easy for students and staff to fill their reusable water bottles throughout the day. During the Pandemic they also help stop the spread of germs passed through water fountains.



CISTERN

Located under the front plaza is a 450,000 gallon cistern that collects rainwater from the building's roof. This rainwater is then used for irrigation, toilet flushing, and in the building's cooling towers.



Natural Lighting



Our school utilizes natural lighting to minimize electricity use. Natural lighting provides vitamin D, boosts mood and productivity!



Roof

The rooftop garden is a popular place for students to eat lunch and allows students to have a safe place to go outside during the school day

The garden allows sunlight into rooms in the middle of the building making sure all classrooms have natural light

ROOF

The materials that make up the roof help to reduce the heat island effect, which is the artificial rise in temperatures that results from the absorption of the sun's energy by dark roofing and paving surfaces. White TPO membrane roofing, which is highly reflective, covers most of the roof. Several small portions of the roof are covered with light-colored metal roof panels. This part of the roof is covered with a roof garden, which not only helps to reduce the heat island effect, but also reduces stormwater runoff and serves as an outdoor laboratory. Because of its roofing surface, this building will not require as much energy to cool as its standard counterparts.

Bathrooms



WATERLESS URINALS

These waterless urinals alone can save over 2,800 gallons of water a day. Installing waterless urinals, flushing with rainwater, and using other water-efficient technologies, including metering faucets and low-flow showers, this building uses 70% less water than its standard counterparts.



These solutions within our school toilets allow us to save water for our community!

WATER CLOSETS

The water used to flush these toilets is rainwater supplied by the building's 450,000 gallon underground cistern. Using rainwater minimizes the need to use potable water, or water that is suitable for drinking, for such uses. By relying on the collection of rainwater for toilet flushing and installing waterless urinals, this building has been able to eliminate the need to use municipally supplied water for sewage conveyance (except in drought conditions).



Custodians also use environmentally friendly cleaning products helping to eliminate toxic chemicals from our school

Instagram



sustainasaurus



Sustainability at Alexandria City High School



Alexandria City High School is gold
LEED certified



sustainasaurus Alexandria City High School is gold LEED certified. This certification is given to buildings that provide healthy, efficient, carbon, and cost-saving green buildings! @turninggreenorg @goinggreenmedia #pgc2022

