



Redmond High School

School district: Lake Washington

School location: Redmond

Began participating in the Green Schools Program: October 2016

Level One of the Green Schools Program: Achieved in May 2017

Level Two of the Green Schools Program: Achieved in May 2018

Level Three of the Green Schools Program: Achieved in May 2019

Waste Reduction and Recycling (Level One)

- Redmond High School achieved a recycling rate of 59%.
- In fall 2016, the Green Team hosted a booth at Round-up Night to recruit new members and promote waste reduction and recycling policies and procedures.
- Green Team students regularly promoted school waste reduction and recycling policies on the school's bulletin boards and in posters hung throughout the school. Staff were informed about the policies at the start-of-year staff meeting.
- Redmond High shared its waste reduction and recycling successes in school and teacher websites.
- Using the Green Team Quiz Show Guide from the Green Schools Program, students hosted a Quiz Show competition to engage students in learning about waste reduction and recycling. Prizes were offered to students who correctly answered questions.
- In April 2017, the Green Team conducted a waste audit to determine what recyclable materials were thrown out instead of recycled. The results of the waste audit were shared with school administration.
- The school promoted paper use reduction and sorting in staff presentations, PA announcements, and videos during homeroom.
- Students used an app to promote waste reduction and recycling practices, and to track individual and school carbon emissions.
- The Green Team created a video about climate change, and submitted it to a University of Washington Environmental Department competition. In the video,



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waste reduction and recycling practices were shared as ways to reduce greenhouse gas emissions.

- To celebrate Earth Day in April, the Green Team hosted a Green Week. The team made a presentation on conservation during an all-school assembly and shared daily announcements on how students can protect the environment by reducing waste, recycling, planting a garden, and conserving water and energy.
- With help from the Green Schools Program, the school participated in a pilot food share and donation program in spring 2019. In a food share bin in the cafeteria, students placed unwanted, unopened packaged foods such as milk cartons, yogurts, and crackers from the school lunch program for other students to take. Leftover items from the share bin plus unwanted whole fruits with edible skins such as apples were picked up by a nonprofit to be given to community members experiencing hunger.

Energy Conservation (Level Two)

- The school continued its waste reduction and recycling practices while learning about energy conservation.
- Green Team students monitored and analyzed the school's monthly and annual electricity and gas use and set an energy use reduction goal of 10 percent.
- "Turn Off Lights" and "Turn Off Equipment" signs were placed near all light switches and appliances to encourage energy conservation when not in use.
- Green Team members participated in the Schools Under 2C initiative created by Tesla STEM High School.
- During Earth Week, the Green Team made a PA announcement sharing the connections between energy conservation and climate change.
- All school computers were set to automatically sleep after 15 minutes of not being used. Emails and presentations were used to encourage staff to turn off all lights and equipment when they were not needed.
- Custodians installed vending machine timers so they would not turn on at night.



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- The school replaced all incandescent lights with fluorescent bulbs or LED lights and installed motion sensors on lights in frequently used rooms. When replacing old equipment, the school opted to buy energy-efficient products.
- Students and staff were regularly encouraged to dress appropriately for the weather rather than adjust the thermostat settings.
- Facts about energy conservation were shared in the Green Team section of the school's weekly bulletin. The bulletin included information on how much money was spent on energy in U.S. schools and how energy can be conserved by turning off lights in unoccupied classrooms and unplugging appliances.

Water Conservation (Level Three)

- Climate change and water conservation were addressed in Advanced Placement (AP) Environmental Science and Biology classes.
- AP Environmental Science students and the Green Team toured Brightwater Treatment Plant in March 2019.
- Students tested the school stormwater pond for pH levels, conductivity, turbidity, and dissolved oxygen.
- For each grade level, Lake Washington School District used a stormwater curriculum approved by King County annually.
- Clothes washing machines were only run with full loads.
- Students measured water flow in classroom and restroom faucets, and requested that one automatic sink be run for a shorter amount of time to save water.