



## **Redmond High School**

**School District:** Lake Washington School District

**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 percent.
- In fall 2016, the Green Team hosted a booth at Round-up Night to recruit new members and to promote waste reduction and recycling policies and procedures.
- Green Team students regularly promoted waste reduction and recycling policies on the school's bulletin boards and through posters hung throughout the school. School staff were informed about the policies at the start of year staff meeting.
- Redmond High shared their WRR successes by posting blurbs on the school and teacher websites during spring 2017.
- Using the Green Team Quiz Show Guide, students hosted a Quiz Show competition to engage students in a conversation 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 regularly thrown out instead of recycled. The results of the waste audit were shared with school administration.
- The school promoted paper use reduction and sorting via staff presentations, PA announcements, and videos shared during homeroom.
- Students used an app to promote waste reduction and recycling practices and to track individual and school carbon emissions.
- The Green Team submitted a video focused on climate change to a University of Washington Environmental Department competition. 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.
- The school participated in the Lake Washington School District's food share and donation pilot program in the lunchroom in 2019.

## Energy Conservation (Level Two)

- 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 are set to automatically sleep after 15 minutes of not being used. Emails and presentations were given to staff to encourage them to turn off all lights and equipment when not in use.
- Custodians installed vending machine timers so they would not turn on at night.
- 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 purchase energy efficient products.
- Students and staff members were regularly encouraged to dress appropriately for the weather rather than adjust the thermostat settings.
- Facts and suggestions for energy conservation were shared in the Green Team section of the Weekly Bulletin. For example, the school shared how much money was spent on energy in U.S. schools and how they can conserve energy by turning off lights in unoccupied classrooms and unplugging appliances.



## **Water Conservation and Pollution Prevention (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.