



Sustainability at FHS

Student Advisory Council

15 January 2020

Agenda

- Student Survey Data
- Report on Hydroponics Garden
- Report on Air Conditioning at FHS
- Report on Cleaning Products at FHS
- Report on Paper Usage at FHS
- Questions

Student Survey

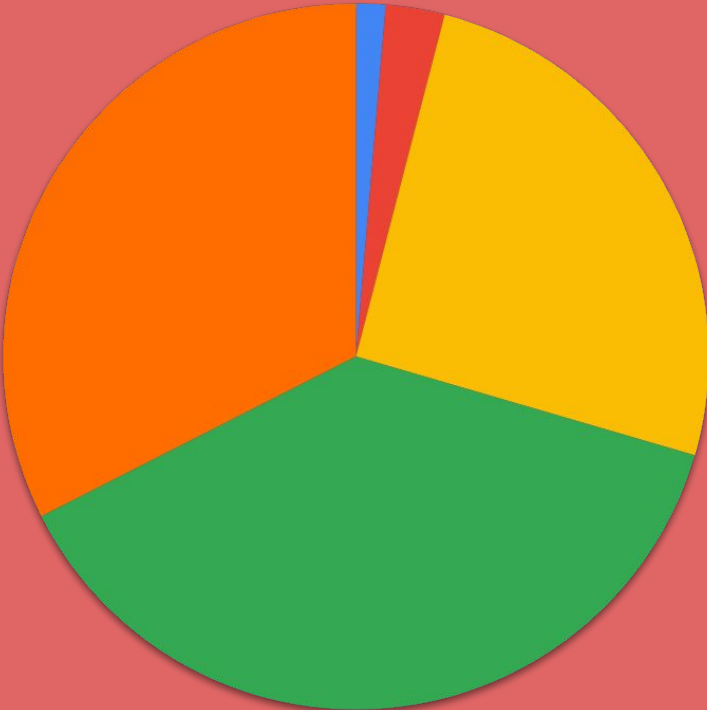
- Asked questions regarding sustainability efforts at FHS
- Sent out to all FHS students via email
- Completed during extended homeroom
- Translated into Spanish and Portuguese
- Received a total of 749 responses (32.8% of students)

What grade are you in?



Freshmen	26.4%	198
Sophomores	28.6%	214
Juniors	26.7%	200
Seniors	18.3%	137

How important is sustainability to you?



1-Not Important	1.3%	10
2	2.7%	20
3	25.5%	189
4	38.0%	282
5-Very Important	32.5%	241

In what areas is FHS making a positive impact towards sustainability? (Top 5)

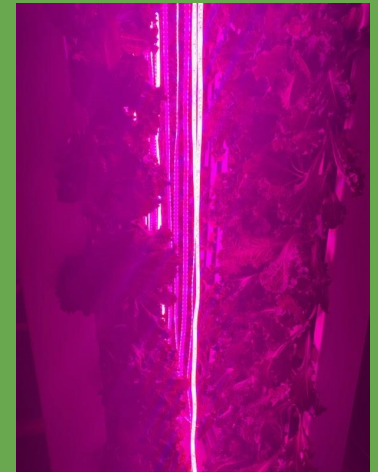
Recycling	515	72.3%
Growing Food	237	33.3%
Encouraging Use of Reusable Water Bottles	219	30.8%
Using Safe Cleaning Products	215	30.2%
Paper Conservation	168	23.6%

In what areas does FHS need to improve its efforts regarding sustainability? (Top 5)

Paper Conservation	462	63.6%
Energy Conservation	413	56.9%
Encouraging Use of Reusable Water Bottles	373	51.4%
Composting	366	50.4%
Water Conservation	328	45.2%

Hydroponics Garden-Food Services Dept.

- Implemented 2½ years ago.
- Uses moisture from the air and LED lights to make lettuce
- Conserves energy - electricity use equivalent to one light bulb
- Helps feed ~1400 people per day
- Reduces water usage by 90%
- Saves resources from transportation



Air Conditioning-Buildings and Grounds

- Current system
 - Is a cross flow air system that transfers the heating/cooling energy that would normally be lost back into the fresh air stream for reuse.
 - Saves money and energy by recovering energy normally lost from the air being exhausted from the building
- New A/C System
 - Much more efficient than older systems.
 - Uses high speed turbines and magnetic bearings for zero friction loss to reduce energy usage.

Cleaning Products-Buildings and Grounds

- Are color-coded for different purposes
- Come in packets that are mixed with water
- Comes in reusable containers (saves plastic and eliminates waste)
- Non-toxic
- Eliminates the need for commercial chemicals

Copy Paper Consumption

<u>Month</u>	<u>Total Printed Pages</u>	<u>Pages per Student*</u>	<u>Pages per Student per Day*</u>
October	797,504	349	17
November	700,215	306	18
December	494,700	216	14

*Calculations are estimates based on total number of printed pages, however we recognize that paper is used *for other purposes as well, including IEPs, Staff Meetings, etc.

Any Questions?

