

FOOD WASTE AND GREEN EDUCATION IN URBAN SCHOOLS

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GWOS

**The GREEN WASTE ORGANIZATION
For SCHOOLS**



Why is it a challenge and why the solution is needed?

It is estimated that **27% to 53%** of all food that is in schools is wasted.

Students need **knowledge and skills** to change their patterns of consumption.

Learn what each person can do for a more sustainable future.

What are the developments and trends?

In the last 50 years food waste has tripled

More and more schools are interested in or have started composting or gardening



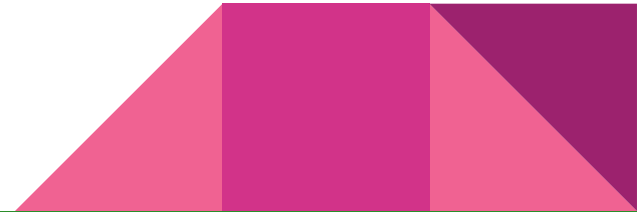
How did our team approach the challenge?

Reading articles and researching topics

A solution we would like to see in our schools as-well

Merging ideas and options

Adding more layers



Collecting The Waste

Collecting bins

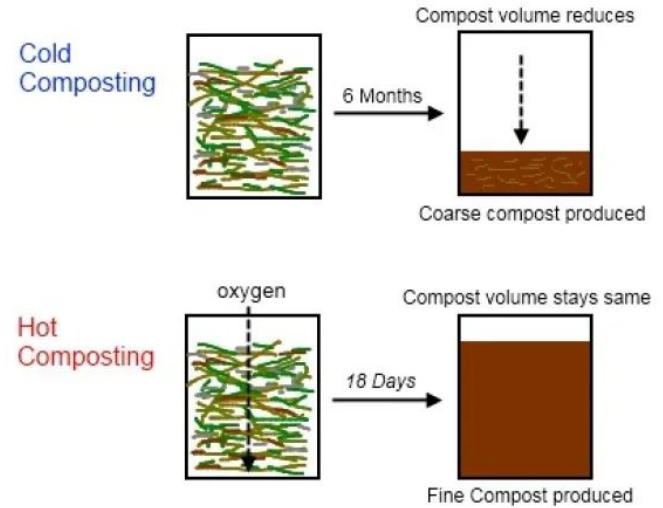
Students and workers informed

Important to not mix



Composting

- Hot composting is the better option because it takes less time
- Several composts
- Compost is rich in nutrients, so we will use it for gardening



The Greenhouse

Increase STEM education

A club or extracurricular activity

Understanding agriculture

Lesson plans and learning materials

A quiet hangout spot



What we offer to schools

Instructions on how to use the system

Tips for student engagement

Educational courses for teachers

Containers for gathering the waste

The compost bin and tools

The greenhouse

Basic gardening tools and seeds to start with

Educational materials and fun lesson plans

Consulting on how to minimize food waste in the cafeteria, targeting the root of the problem



Action plan

Team of educators and experts

Develop the idea

Present the idea to schools

Marketing, encourage schools to try

Tailored solutions for each school

Educate the school personnel

Track the schools results and solve occurring problems



Short-term impact

- Plants provide products to use
- A new activity for students in their free time
- Teachers get more creative
- Raising awareness

Long-term impact

- Minimizing food waste
- Creating a better school atmosphere
- Students learn about composting and gardening
- Students remember better the active and hands on lessons



Lessons learned:

International communication

Time management

Professionally overcoming arguments and finding solutions

The extent of the food waste issue in schools



- PALDIES -

**Takk fyrir
Thank you
Tack
Aitäh**

Sources

<https://www.nrdc.org/stories/composting-101#whatis>

<https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/9.2/primary/lesson/importance-of-plants-bio/>

<https://education.ec.europa.eu/focus-topics/green-education/about>

<http://compost.css.cornell.edu/SchoolCompostingLetsGetGrowing.pdf>

<https://greenhouseemporium.com/blogs/greenhouse-gardening/greenhouses-for-schools-and-projects/>

<https://slidesgo.com/theme/rainforest-agency#search-green&position-18&results-944&rs=search>

<https://www.usbg.gov/new-greenhouse-manual-released>

https://food.ec.europa.eu/safety/food-waste_en

