

Experimental Farm Composter



Char-Lan District High School built a composter to support the experimental gardens at their school! Composting reduces greenhouse gas emissions and provides plants with key nutrients. Food from the gardens goes to a free breakfast program for students and a local food bank!



Climate Connection:

Did you know that food waste decomposes differently in a landfill than in a composter?

Landfills cover garbage to keep smells down. This also keeps oxygen out. The decomposition reactions produce mainly methane gas. Methane gas is a more powerful greenhouse house than carbon dioxide (28 times more powerful!)

In a composter, there is lots of oxygen available. Decomposition produces mainly carbon dioxide.

Char-Lan District High School

Community Garden



Colonel By Secondary School wanted to get the whole community involved in a garden on school property. As the plan developed, it became clear that many approvals were needed, and the project would take much longer than they first thought.

ADAPTATION - Planting 2-3 fruit trees on school property met many of the same goals as the community garden, but was more manageable.



CAP Consideration:

Planning a Climate Action Plan is one thing, but putting it into action is another!

To be successful, plans need to grow and change to fit real world circumstances.

Colonel By Secondary School

Planting a Little Forest in Kingston



Kingston Secondary School teamed up with Little Forests Kingston. Little Forests are roughly the size of a tennis court and contain native tree and plant species. Plantings bring together the community and make nature more accessible to everyone! [Check out](#) what some Summiteers had to say!



Climate Connection:

Trees remove carbon dioxide from the air as they photosynthesize. As long as a tree is living, that carbon dioxide is locked up in its wood. It is only released when the wood burns or decomposes.

Kingston Secondary School

Aquafy Osgoode



Osgoode Township High School measured the number of single-use water bottles in the recycling and was shocked at the results! Why? The school community didn't like the taste of the well water. Water testing showed that sodium levels were high enough to make the water taste unpleasant, but the water was considered safe to drink unless an individual had a medical condition. Youth explored various water treatment options to make the school's drinking water accessible to all.

Climate Connection:

Single-use plastics are made from fossil fuels. Extraction, transportation to a plastic factory and manufacture produce tons of carbon dioxide.



Osgoode Township High School