

Have you helped the environment today?

## Be prepared to celebrate **WORLD SOIL DAY** next month! (December 5th)

Understand the basics of soil horizons in the **SWEETEST** way possible! But first, here are the basics.

- Soil can take 200-3000 years to form! (Lots of respect for soil!)
- Soil formation starts on bed rock. Parent material forms as the solid rock weathers away.
- The subsoil contains sand, silt and or clay. It may be rich in nutrients leached from the layers above. It has less organic matter than the layer above too!
- The top soil is made up of minerals (from parent material) and organic matter. You will find many plant roots here as well as a variety of organisms like bacteria, fungi, and worms.
- Hopefully your soil is layered with organic matter which is broken down litter that will enrich the soil with nutrients!

### Now make your own (edible) soil profile!:

Prepare each of your layers (see below) and place them in labelled bowls!  
Hard candy for (bed rock/parent material), chocolate pudding (for subsoil), crushed oreos (for topsoil) and colored coconut (for the litter layer). Remember to add organisms in your top soil (gummy worms and sprinkles).

You can use and other delicious alternatives for layers too! **DIG IN!!!**



### Upcoming Event:

**NOVEMBER 19TH - Annual Toy Drive! 10 a.m. - 2 p.m.**

Donate your used toys for children in need! We also accept donations for the Humaine Society and the SPCA!

Bring your donations to REAPS (1950 Gorse St. near Exploration Place) or volunteer With us! For more info, please contact us at [events@reaps.org](mailto:events@reaps.org) OR at 250-561-7327.

