

How does how we live affect where we live?

How do we take care of our soil?

Composting at Lincoln Community School a study for the first six weeks of school

- Students will assess the current state of composting at LCS.
- Students will learn about the importance of composting.
- Students will assess our current composting status.
- Students will decide what to do with their new learning.
- Students will take action on their decisions.

ENDURING UNDERSTANDING:

- Soil is where our lives interact with our planet
- healthy soil means healthy living
- our actions impact our PLACE

Next Generation Science Standards:

ESS3.C: Human Impacts on Earth Systems

- Human activities in agriculture, industry, and everyday life have had major effects on the land, vegetation, streams, ocean, air, and even outer space. But individuals and communities are doing things to help protect Earth's resources and environments. (5-ESS3-1)

Cross Cutting Concepts:

Energy and matter: Flows, cycles, and conservation. Tracking fluxes of energy and matter into, out of, and within systems helps one understand the systems' possibilities and limitations.

"Soils are complex mixtures of minerals, water, air, organic matter, and countless organisms that are the decaying remains of once-living things ([Assessment Tool](#)) ([Student Work – soil](#)). It forms at the surface of land -it is the "skin of the earth." Soil is capable of supporting plant life and is vital to life on earth." Soil Science Society of America, <http://www.soils4teachers.org/home>

Lincoln Vermont is located at the top of the Lake Champlain watershed. Everything we do drains into our lake. Soil and water are the places where our lives interact with our planet. When the soil is healthy and vibrant there is a better chance that our watershed will be healthy and vibrant too.

Our actions impact our soil. As human beings we create lots of waste. What we do with our waste impacts our soil. We can design systems that minimize our negative impact and maximize our positive impact on soil. **We can make our soil better and use our waste to do this.** ([Student Work – recipe](#))

As part of the Addison Northeast Supervisory Union we have adopted the following ends policy:

- Students demonstrate competence as responsible and informed citizens of the world.
- Students view themselves as valuable, contributing citizens, participating actively in the community.
- Students make connections, transferring knowledge to new and meaningful situations.
- Students communicate publicly what they understand.