

MINNESOTA STATE ENVIOTHON

2019 Soils Station Resource Materials

Soils Learning Goals

1. Learn the basics of soil formation and composition
2. Learn how to properly identify soil texture
3. Learn to use the Web Soil Survey and associated information
4. Learn the principles of soil health
5. Learn the basics of soil horizons
6. Learn how to properly use a Munsell color chart
7. Learn the basics of soil chemistry

Website Resources:

Soil Science Society of America - Basics

<https://www.soils.org/discover-soils/soil-basics>

USDA Web Soil Survey

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

NRCS Soil Health Key Points

https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1082147.pdf

Soil Biology Primer

<https://www.nrcs.usda.gov/wps/portal/nrcs/detail/nd/soils/health/?cid=nrcseprd1300631>

USDA Soils 101

<https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/edu/7thru12/?cid=nrcseprd885606>

Soil Science Society of America – Soil Chemistry

<http://www.soils4teachers.org/chemistry>

U of M Extension – Soils and landscapes of Minnesota

<https://www.extension.umn.edu/agriculture/soils/soil-properties/soils-and-landscapes-of-minnesota/>

YouTube Resources:

https://www.youtube.com/watch?v=ZlyDyQT6_WE

<https://www.youtube.com/watch?v=CEEiXcpCZjY>

<https://www.youtube.com/watch?v=9uMPuF5oCPA>