



Today's at-home learning theme:

Soil



- For your first step, get outside and collect soil! Collecting from different depths and different locations will be best.
- Check out this activity by Soils 4 Teachers. After completing your calculations, see the Soil Triangle for more details: <https://www.soils4teachers.org/files/s4t/texture.pdf>
- Grab a few sponges and model the amount of water in soil with Dr. Dirt: <https://www.doctordirt.org/teachingresources/sponge>
- Learn about the filtering capacities of soil: <https://www.doctordirt.org/teachingresources/soilfilter>
- Interested in a career in Soil Science? Check out these specifics and opportunities: https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/edu/?cid=nrcs142p2_054277
- Learn about all the microbes under your feet with MSU: <http://commtechlab.msu.edu/sites/dlc-me/zoo/zdmain.html>
- Want to learn more about the living things in soil? Check out these videos by Iowa State University with some cool clips including Nematodes feasting: <https://www.agron.iastate.edu/projects/soil-biology-movies>
- Take a tour of the Dig It! The Secrets of Soil exhibit that was at the Smithsonian Museum of Natural History and play the games that were featured: <https://forces.si.edu/soils/> Make sure you find your state's soil and meet some soil scientists!
- Do the "Technology" portion of this guide from Project Learning Tree to watch and identify producers, consumers, and decomposers: <https://www.plt.org/stem-strategies/nature-recyclers>
- Read about our state soil, Pamunkey: <https://www.soils4teachers.org/files/s4t/k12outreach/va-state-soil-booklet.pdf>

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