



School Grounds Soils Survey

Teacher Information Sheet 6

DRAFT

Overview

Townsville has a number of different soil types which determine the types of plants that grow there and therefore the types of animals which are attracted to the area. Understanding the types of soils in an area can help us understand above-ground habitats better.

Activities

- » Examine the different soil types found around Townsville using the soils map
- » Draw a map of the school grounds and pin-point places where students would like to examine soil types
- » Soil tests will be performed at each point on the map and an overall description of soil type will be determined

Soil Facts

- » Soil is more than just "dirt", its made of organic matter, minerals, nutrients water, oxygen and microbes
- » Soils are a mixture made from combination of parent rock material, weather events and time
- » Clay, silts, loams and sands are the major components that make up soils
- » Soils can change dramatically – and suddenly – from one area to the next, which is often expressed in different vegetation types

Web Resources

<http://www.soe-townsville.org/land>

<http://www.clw.csiro.au/aclep/>

http://www.clw.csiro.au/aclep/asc_re_on_line/soilhome.htm





Administration

Duration

1-1 ½ hrs

Max Students

1 class

What's Required

Hats, sunscreen, closed in shoes, energy and creativity

Contact

Townsville City Council
 Integrated Sustainability Services
 4727 95 25

Core Learning Outcomes

Science	SOSE
SS 1.1, 1.2, 1.3, D1.4 EB 1.1, 1.3, D1.4 LL 1.3 NPM 1.1, 1.2, D1.4	PS 1.1, 1.2 SRP 1.1
SS 2.1, 2.2, EB 2.1, 2.3 LL 2.3 NPM 2.1, 2.2, D2.4	PS 2.2, 2.4 D2.8 SRP 2.1
SS 3.2, 3.3 EB 3.3, D3.5 LL 3.1, 3.3 NPM 3.1, 3.2, D3.4	PS 3.1 CI 3.1 SRP 3.1
EB D4.5 LL 4.3 NPM 4.1, 4.2	PS D4.6
EB 5.1, 5.2 LL 5.3	

