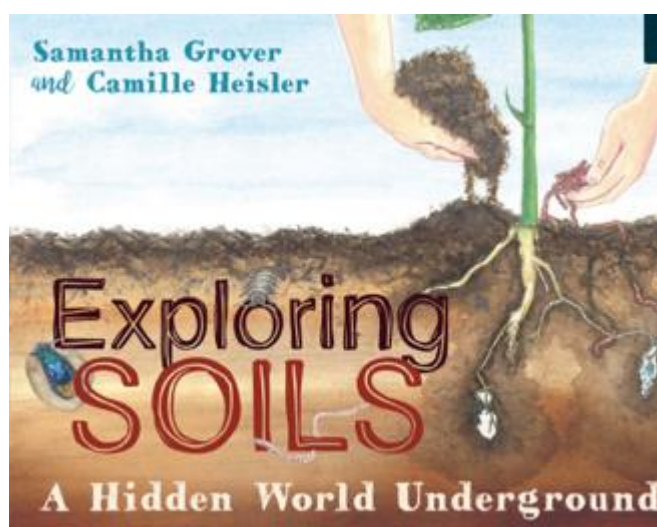




Soil Science – links to primary school resources



[Exploring Soils: A Hidden World Underground](#)

Have you ever wondered what happens in the earth underneath us? James has, and he wants to learn more about soil. In *Exploring Soils: A Hidden World Underground*, James discovers that soil is not just dirt for digging in. He explores how plants and animals live in soil, how soils are formed, how they differ, and the ways that soil is essential in our lives.

[The Science of Living Soils](#)

Produced by the GRDC, *The Science of Living Soils* (2021) is a self study or classroom based unit of work that examines what is soil, soil textures, soil horizons, soil characteristics, soil settlement, conservation and improving Australian soils. The unit contains research activities, hands on experiments, quick quizzes and extension activities. All of the exercises can be completed via distance education or be teacher lead.

This unit can also be completed completely online for free at Primezone Academy – [The Science of Living Soils 5/6](#).

NSWDPI Schools Program

Soils are a complex, invaluable part of sustaining life on Earth. To those who study soils they represent a fascinating, endless investigation of the impacts of human activity and ways of managing food and fibre production. To those who work them they are an enduring partner in their pursuit, whether it is agriculture, gardening, mining, land rehabilitation or construction to name just a few. But perhaps to the majority of people, soils are just the dirt beneath our feet.

Investigate: soils. Is a stage 3 science and technology investigation aimed at introducing your students to the value and complexity of soils.

The learning sequence supports students working towards the *Living World* strand of the 2017 NSW Science and Technology syllabus and particularly the *Growth and survival of living things* theme.

Yr6 Science Saving Our Soils

Content Description

- The growth and survival of living things are affected by physical conditions of their environment (ACSSU094)
- With guidance, pose clarifying questions and make predictions about scientific investigations (ACSIS232)

This resource is designed to increase students understanding of the importance of soil and its fundamental role in supporting plant and animal life. The activities lead students through a progression of investigations and simple experiments on how soils form, different soil types and how levels of nutrients, soil texture and soil pH affect the ability of soils to support plant growth and resist erosion.

[Yr6 Science Saving Our Soils \(1.3MB PDF\)](#)