

Unit at a glance

Rising salt

Phase	Lesson	At a glance
ENGAGE	Lesson 1 Living sustainably	To capture students' interest and find out what they think they know about how the growth and survival of living things are affected by the physical conditions of their environment. To elicit students' questions about living sustainably.
	Lesson 2 Water worries	To provide students with shared experiences of how different methods of watering affect plant growth and health.
EXPLORE	Lesson 3 Salt solutions Session 1 Make it salty Session 2 Sorting out the solution	To provide students with hands-on, shared experiences of how different concentrations of salt water affect living things.
	Lesson 4 Sustainable systems	To support students to represent and explain their understanding of how the growth and survival of living things are affected by the physical conditions of their environment. To introduce current scientific views about the causes of salinity and how to address it.
EXPLAIN	Lesson 5 Design challenges	To support students to plan and design an irrigation system or water trough to decrease water consumption.
	Lesson 6 Testing improvements <i>(Optional)</i> Session 1 Further investigation Session 2 Sharing results	To support students to plan and conduct an open investigation into variables that might affect a plant's tolerance to salinity.
EVALUATE	Lesson 7 Sustainable solutions	To provide opportunities for students to represent what they know about how the growth and survival of living things are affected by the physical conditions of their environment, and to reflect on their learning during the unit.

A unit overview can be found in Appendix 11, page 72.