

EARLY STAGE 1 WORKING SCIENTIFICALLY

ENVIRONMENTAL SCIENCE – ARTHROPODS / MINI BEASTS

Living World Outcomes

Ste-1WS-S >Observes, questions and collects data to communicate ideas

Ste-3LW-ST >Explores the characteristics, needs and uses of living things

Skills Focus

Make observations using senses through participation in guided scientific investigations	Students are introduced to Arthropods cast in resin, a variety of magnifying glasses and digital microscopes
Record observations using drawings, simple digital recording methods, oral descriptions and/or simple visual representations (AC SIS011)	Students are required to draw their impression of insects prior to session (plus during session and after session to record learning)
Work cooperatively with others to investigate ideas	Students work in pairs, record and document their learning
Share observations and ideas based on guided investigations (AC SIS012)	Students communicate orally and by using their sketches to illustrate their discoveries
Engage in discussions about observations	Students communicate orally and by using their sketches to illustrate their discoveries
Represent ideas based on results of investigations (AC SIS233)	Drawings can be displayed around the classroom
Evaluate success of design ideas, processes or solutions according to personal preferences and/or predetermined criteria	Insect body parts to be the focus of art or drama/role play
Consider and discuss the impact of a design solution within an environment (ACTDEP008)	Consider the 'What if....there were no insects'

STAGE 1 WORKING SCIENTIFICALLY

LIVING WORLD - ARTHROPODS / MINI BEASTS

Living World Outcomes

ST1-1WS-S › observes, questions and collects data to communicate and compare ideas

ST1-4LW-S › identifies how plants and animals are used for food and fibre products

ST1-4LW-S › describes observable features of living things and their environments

Skills Focus

Explore and answer questions through participation in guided scientific investigations (AC SIS025, AC SIS038)	Students are required to draw their impression of insects prior to session (plus during session and after session to record learning)
Record observations accurately and honestly using observational drawings, labelling, informal measurements and digital technologies (AC SIS026, AC SIS039)	Students are introduced Arthropods cast in resin, a variety of magnifying glasses and digital microscopes
Compare observations with those of others (AC SIS041, AC SIS213)	Students communicate orally and by using their sketches to illustrate their observations
Develop collaboration skills to effectively conduct investigations	Students work in pairs, record and document their learning
Use a range of methods to sort and collate information	Students take photographs on digital laptops, print and later label body parts and points of interest
Evaluate success of design ideas, processes or solutions according to personal preferences and/or predetermined criteria	Insect body parts to be the focus of an art project / insects and their body part represented with Lego or sculpture
Consider and discuss the impact of a design solution within an environment (ACTDEP008)	What alternative can be used to control insects in the home...discuss natural repellents as opposed to insecticides