



DORROUGHBY ENVIRONMENTAL EDUCATION CENTRE

NSW DEPARTMENT OF EDUCATION

Program Outline- Who Loves Invertebrates Incursion

Science, Creative Arts, Geography and Digital Technology Integrated K-6 Day

School: Rosebank Public School.

Venue: Rosebank Public School and Rosebank Reserve.

Date: 10th June 2020.

Teachers: Juanita Thomson, Lauren Currie, Oliver Pescia and Dorroughby Environmental Education Centre Staff.

Program Information

Students are to wear bush school clothes-covered shoes, long pants, long sleeved shirt and hat. Students are to bring a packed fruit break, recess, lunch and water bottle.

As time is spent outdoors students must wear clothing suitable for outdoors with variable conditions. Hats and sturdy closed shoes are essential.

Please encourage a low waste lunch as it is an environmentally themed day.

In the event of rain the program will continue on the school site.

8.30am	DEEC and Rosebank staff arrive and set up.
Session 1 9 - 11am	Introduction to the day and fruit break. What is an invertebrate? How we can use macroinvertebrates to assess stream health. Students will use dip nets and ID sheets to collect data and use the data to form conclusions related to a local stream's health.
10.30 - 11am	Recess
Session 2 11 - 12.30pm	Introduction to Insects PowerPoint-looking at resin insects in a yarning circle. Students view and discuss DEEC's phasmids. View insect parts under microscopes. Students design insects using correct scientific structure.
Session 3 12.30 - 1pm	Lunch
1pm - 2.30pm	Stop Motion Filming Students in groups pick one of the 4 main functions of an insect (pollinator, decomposer, aerator or part of the food chain) and illustrate the function through <i>Stop Motion</i> . Students create and make an insect with things from nature, make a set for their production, film the images, record their message to fit and play these back to the K-6 group.

Teaching and Learning Outcomes

Science

Working Scientifically

Ste-1WS-S observes, questions and collects data to communicate ideas.

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

ST2-1WS-S questions, plans and conducts scientific investigations, collects and summarises data and communicates using scientific representations.

ST3-1WS-S plans and conducts scientific investigations to answer testable questions, and collects and summarises data to communicate conclusions.

Living World

Ste-3LW-ST explores the characteristics, needs and uses of living things.

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

ST2-4LW-S compares features and characteristics of living and non-living things.

ST3-4WT-S examines how the environment affects the growth, survival and adaption of living things.

Digital Technology

Ste-7DI-T identifies digital systems and explores how instructions are used to control digital devices.

ST1-11DI-T identifies the components of digital systems and explores how data is represented.

ST2-11DI-T describes how digital systems represent and transmit data.

Creative Arts

VAES1.1 Makes simple pictures and other kinds of artworks about things and experiences.

VAS1.1 Makes artworks in a particular way about experiences of real and imaginary things.

VAS2.1 Represents the qualities of experiences and things that are interesting or beautiful by choosing amongst aspects of subject matter.

VAS3.1 Investigates subject matter in an attempt to represent likenesses of things in the world.

- talks about and thinks about their intentions for art making and recognises how these affect their selection of ideas, materials, tools and techniques, and methods of working.
- focuses on details of the subject matter of insects and their features.
- considers how insects lend themselves to sculptural interpretations.

Geography

GEe-1 – Identifies places and develops an understanding of the importance of places to people.

GE1-1 – describes features of places and the connections people have with places.

GE1-2 – Identifies ways in which people interact with and care for places.

GE2-1 examines features and characteristics of places and environments.

GE2-2 describes the ways people, places and environments interact.

GE3-2 explains interactions and connections between people, places and environments.

GE3-3 compares and contrasts influences on the management of places and environments.

Cross curriculum subjects of ***Sustainable Education and Aboriginal Education*** are also a focus on the day.

Permission Slip to be returned to the School Office by Monday 8 June 2020

I give my child, _____ permission to participate in the Rosebank Public School,

Who Loves Invertebrates Incursion- Science, Creative Arts, Geography and Digital Technology

Integrated K-6 Day at Rosebank Public School and Rosebank Reserve on Wednesday 10th June

2020 with Rosebank Public school staff and Dorrroughby Environmental Education Centre Staff.

Parent/Carer Signature: _____

Date: _____