



Invertebrate Art

Field of Mars Reserve - Stage 2 & 3

School name: Sample Public School School phone: 9999 9999 Organising teacher - first name: Organising teacher - last name: fieldofmar-e.school@det.nsw.edu.au Email: Mobile: 4188888888 Sample Program Excursion: Start time: 9.45am Finish time: 2pm 1st date (refer to the booking calendar above): Approx student numbers: 62 Number of classes: 2 Grades: 5 2nd date (if required): 62 Approx student numbers: Number of classes: 2 6 Grades:

Field of Mars Environmental Education Centre Postal: PO Box 2082 BORONIA PARK 2111 Street: 220 Pittwater Rd EAST RYDE 2113

Phone: 98161298 Fax: 98163279

E-mail: fieldofmar-e.school@det.nsw.edu.au Web: www.fieldofmarseec.nsw.edu.au Twitter: @fieldofmarseec #eecnsw https://www.facebook.com/fieldofmarseec/



Teacher checklist

Location – <u>Field of Mars Reserve</u>, western side of Pittwater Road, East Ryde.

Bus access - give supplied access information to driver. No bus entry into Field of Mars Reserve.

Cost - DOE \$20.00 per student, no GST. Non Gov School Cost: \$30.00 per student (GST free, minimum charge \$550)

Bring - essential items only: medications, food, water, sunblock, hat and raincoat in a small backpack.

Clothing - sports uniform recommended. Hats and sturdy closed shoes essential for all visitors.

Staffing - classroom teachers will be involved in all activities including rugged bushwalking.

Parent helpers - welcome, no preschoolers. Closed shoes essential.

Name tags - reusable and pinned on.

Extreme or wet weather - may result in the excursion being modified, postponed or cancelled. This includes days predicted to be above 35°C, high winds, extreme bush fire danger and dust storms.

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Cancellations - less than two weeks notice \$100. This does not apply to cancellations due to weather.

Medical or special needs - please notify EEC staff.

Limited bin access - all student waste will be taken home by students so 'nude food' containers are encouraged.

Student welfare - students will be outdoors most of the day walking along rugged terrain. It may not be suitable for students who have been recently unwell.

Learning activities

Bushwalk

The focus of the bushwalk is for students to observe the different places in the natural environment in which invertebrates can be found. The bushwalk will traverse a variety of environments from the moist vegetation found along the creeks to the dry woodland along the slopes of the reserve. Many invertebrate species will remain hidden during the walk so particular emphasis will be placed on looking for animal evidence such as tracks and sounds. The needs of invertebrates in their environment and the important role of invertebrates in the bush will be emphasised. Students will undertake a variety of sensory activities and be encouraged to make their own observations.

Invertebrate hunt

The focus of this session is for students to work cooperatively to conduct an investigation, using simple equipment, to explore and answer the question: What invertebrates live in the leaf litter?

Students will work in small groups to search for and collect leaf litter invertebrates in the gardens around the education centre. Collected specimens will then be examined using magnifiers and identified using ID charts. Some of the invertebrates will be magnified onto the IWB and features and adaptations explained.

Invertebrate art

Students examine the features of one or two chosen invertebrates using a range of magnifying equipment, paying particular attention to detail including numbers of legs, sections of the body, colour, shape, structure, texture and patterns found on the invertebrate.

After careful observation and study of an invertebrate students will create an artwork on canvas. This will involve the use of a variety of media including rollers, pencil, brushes and paint.

Upon completion the canvases will be displayed for a short exhibition in the afternoon allowing students to appreciate and evaluate their work.

Syllabus outcomes and content Creative arts K-6

VAS2.2

 experiments with techniques in painting, drawing, photography, digital and video to create particular effects to suggest such things as close-ups, middle distance and long distance views, mood and atmosphere, light and dark suited to how subject matter may be interpreted

VAS3.1

 closely observes details of things in the world and seeks to make artworks about these using various techniques such as proportion, perspective, composition, foreshortening

Science and technology K-6

ST2-10I W

Living things can be grouped on the basis of observable features and can be distinguished from non-living things. (ACSSU044)

 Students identify and use patterns in the observable features of living things to group them, by using tables, diagrams or flowcharts

ST3-10I W

Living things have structural features and adaptations that help them to survive in their environment. (ACSSU043)

 Students observe and describe the structural features of some native Australian animals and plants



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