

Murder at Mars

Field of Mars Reserve - Stage 3



School name: Sample Public School

School phone: 9999 9999

Organising teacher - first name:

Organising teacher - last name:

Email: fieldofmar-e.school@det.nsw.edu.au

Mobile: 04188888888

Excursion: Sample Program

Start time: 9.45am

Finish time: 2pm

1st date (refer to the booking calendar above): 2015

Approx student numbers: 62

Number of classes: 2

Grades: 5

2nd date (if required): 2015

Approx student numbers: 62

Number of classes: 2

Grades: 6

Teacher checklist

Location – Field of Mars Reserve, 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 \$16.00 per student, no GST. Non Gov School Cost: \$26 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.
Ph: 98161298

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

Investigating an environmental mystery

Setting the scene (question and predict)

The students will be given a real-life environmental mystery to solve, ie the discovery of animal remains in the reserve. The students, working in groups, will be challenged to work out what animal was the victim and what animal was the villain.

Groups will be formed, preliminary information provided, predictions made, skills taught and equipment distributed. Groups will plan their team roles and investigation methods.

Gather the evidence (conduct investigations)

With a focus on animal adaptations, the students will undertake a 'clue-seeking' quest through parts of the reserve seeking out animal evidence such as scratch marks, droppings, fur, feathers, bones, etc. The students will be guided by cryptic clues provided in an iBook on an iPad and QR codes hanging in the bush.

Students will record their route and record animal evidence observed accurately using maps, notes and the camera app on iPads.

Drawing conclusions (process and analyse data)

The students will analyse and interpret their evidence, research additional information using iPad apps and resources, draw conclusions, provide explanations for their claims and prepare their 'case' for presentation.

Putting the case (communicate)

The students will present their 'case' to the other groups in a creative way incorporating digital technologies as appropriate. This may be in role as talk show hosts, a court case, a news report or a puppet show.

Syllabus outcomes and content

Science and technology K-6

ST3-10LW

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
- present ideas and explanations about how the structural features and behaviour of some plants and animals help them to survive in their environment, eg shiny surfaces of leaves on sand dune plants and nocturnal behaviour in some animals

ST3-4WS

Students conduct investigations by:

- accurately observing, measuring and recording data, using digital technologies as appropriate (AC SIS087, AC SIS104)

Students process and analyse data and info by:

- drawing conclusions and providing explanations based on data and information gathered first-hand or from secondary sources

Other syllabus links

Learning experiences will also support but not explicitly teach the following content:

Students process and analyse data and info by:

- comparing gathered data with predictions, and using as evidence in developing explanations of events and phenomena (AC SIS218, AC SIS221, ACSHE081, ACSHE098)

Environmental education objectives

Students will develop values and attitudes relating to:

- a respect for life on Earth (V1)