

EARLY STAGE ONE - MATHEMATICS

Maths In Nature

UNIT OVERVIEW

Join Dinawan (Wiradjuri- emu) and her friends for a fun-filled day exploring mathematical concepts in nature and the outdoors! Students participate in a range of outdoor activities, games and artmaking to consolidate their learning about position, two-dimensional shapes, numbers to twenty and patterns.

MATHEMATICS OUTCOMES

MEE- GM-01 describes position and give and follows simple directions

MAE-FG-01 recognises, describes and continues repeating patterns

MAE-2DS-01 sorts, describes, names and makes two-dimensional shapes, including triangles, circles, squares and rectangles.

MAE-RWN-01 demonstrates an understanding of how whole numbers indicate quantity

MAE-RWN-02 reads numerals and represents whole numbers to at least 20

CONTENT

Students will:

- follow directions to a place using everyday language and use 'left' and 'right' in relation to themselves
- copy, continue and create patterns with objects and describes a repeating pattern referring to its distinguishing features
- identify circles, triangles, squares and rectangles in the environment and make representations using everyday materials
- count, read and order the number sequence to 10, count with one-to-one correspondence and subitise collections up to 10 in a variety of arrangements (dice, domino, tally marks, 10-frame).



JOURNEY MAPPING

Students jointly create a map their journey to Red Hill Environmental Education Centre drawing on traditional First Nations art making and storytelling. Students consolidate their knowledge of curved and straight lines, closed shapes and drawing two-dimensional shapes through an authentic and interactive experience

HUNTING FOR NUMBERS

Students participate in outdoor games and activities to explore and consolidate numbers including counting collections, ordering the number sequence and subitising small groups. Students will hunt for collections of Dinawan's friends hiding in the woodland.

DINAWAN'S DIRECTIONS

Dinawan's secretive, native Australian friends guide student groups around the Red Hill site across the day. Students find the friends and follow their clues and directions to locate their next activity. Students consolidate their understanding of positional language and left and right in relation to themselves.

NATURE WEAVING

Students explore patterns in the environment and use found objects and natural materials to weave a pattern on a simple loom. Students learn about how First Nations people used patterns including in art, storytelling, music, counting and weaving.

Please note this is a strictly outdoor program. Inclement weather will necessitate postponement of the booking.

For bookings or further enquiries about this program, please contact Red Hill Environmental Education Centre on 02 6374 2558 or redhill-e.school@det.nsw.edu.au.

