

CULLESON

TERM FOUR

TURTLE NEST PREDICTOR MAPPING TOOL

- Learning Objectives
- Background
- Activities
- Curriculum Mapping

Photo credit: Dr Donald McKnight





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LEARNING OBJECTIVES

Here you will find the learning objectives for this lesson

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ACTIVITIES

There is one activity for this lesson.

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BACKGROUND INFORMATION

Learn how to predict potential turtle nesting sites using the Turtle Nest Predictor Mapping Tool

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CURRICULUM

See how this lesson maps with the Australian curriculum

Learning Objectives

At the end of the lesson, students will be able to:

- (1) Predict potential turtle nesting sites around their local wetland, using the Turtle Nest Predictor Mapping Tool;
- (2) Understand the role of technology in scientific data collection and the importance of digital tools and databases.



Background Information

Turtle Nest Predictor Mapping Tool

The Turtle Nest Predictor Mapping Tool, developed by the 1 Million Turtles Community Conservation Program enables anyone to locate turtles in their local area. The tool uses advanced mapping techniques to predict potential nesting sites for turtles around wetlands.

The tool is powered by Google Maps, and allows you to search an area using an address or point of interest. The map will display predictive hotspots. The predictive hotspots are colour-coded ranging from white to yellow, orange and red. For instance, red areas indicate a probability exceeding 85% of containing turtle-preferred nesting habitat.

Classroom Activity

ACTIVITY

(1) Students use the “Turtle Nest Predictor Mapping Tool” to predict potential nesting sites for turtles around their local wetland.

The Turtle Nest Predictor Mapping Tool can be accessed at:
<https://1millionturtles.com/predicting-turtle-nesting> (Copy and paste into browser).



Australian Curriculum addressed in this Lesson



Science

Strand: Science as a human endeavour (Year 5)

Sub-strand: Use and influence of science

AC9S5H02: investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions.

Strand: Science inquiry (Year 5)

Sub-strand: Planning and conducting

AC9S5I03: use equipment to observe, measure and record data with reasonable precision, using digital tools as appropriate.

Strand: Science as a human endeavour (Year 6)

Sub-strand: Science inquiry

AC9S6H02: investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions.

Strand: Science inquiry (Year 6)

Sub-strand: Planning and conducting

AC9S6I03: use equipment to observe, measure and record data with reasonable precision, using digital tools as appropriate.