

# 4 LESSONS

TERM TWO

## INTRODUCTION TO TURTLESAT

- 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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## PAGE 5

### CLASSROOM ACTIVITY

There is one activity for this lesson.

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## PAGE 4

### BACKGROUND INFORMATION

Learn about TurtleSAT and how it is used to collect scientific data on freshwater turtles.

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## PAGE 6

### CURRICULUM

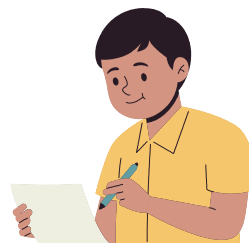
See how this lesson maps with the Australian curriculum

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# Learning Objectives

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

- (1) Explain how TurtleSAT can be used by the public to collect data;
- (2) Understand the role of technology in scientific data collection and the importance of digital tools and databases.



**Explain**



# Background Information

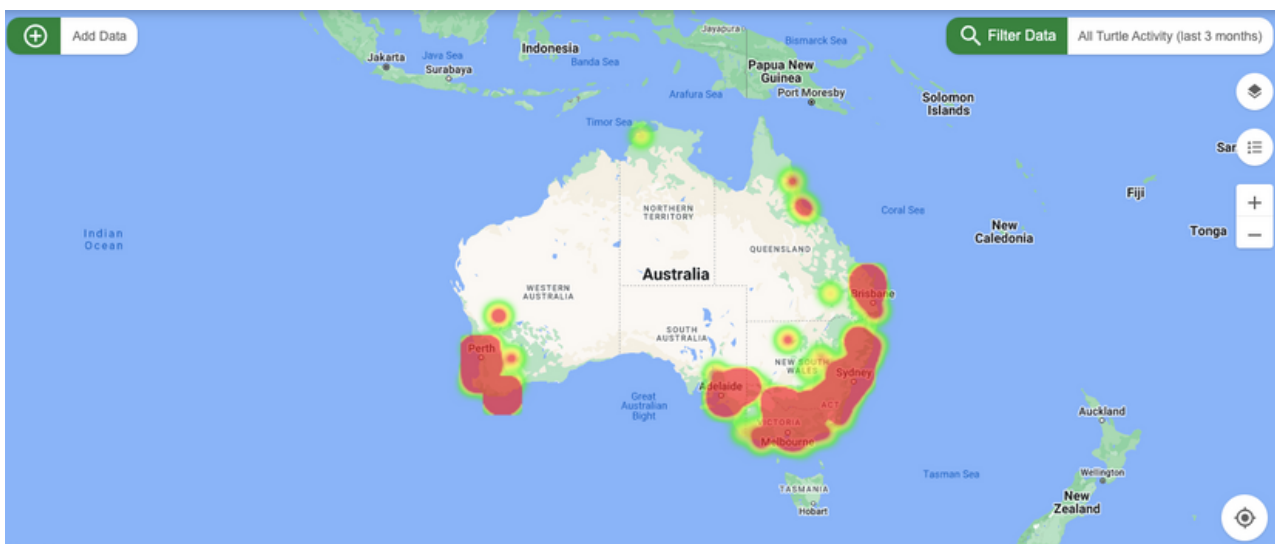
## TurtleSAT

TurtleSAT is a citizen science mapping tool produced by the 1 Million Turtles Community Conservation Program. TurtleSAT allows communities to map the location of freshwater turtles in waterways and wetlands across the country.

The TurtleSAT app collects important information relating to the distribution and abundance of freshwater turtles. Participants submit sightings of turtles and their nests, with the app recording data such as the geographic location, species of turtle, individuals demographic, turtle behaviour (i.e. nesting, basking, crossing the road) and turtle and nest fate (i.e. alive or dead).

The data collected through TurtleSAT contributes to a broader understanding of freshwater turtle ecology and population health. It aids researchers, conservationists, and policymakers in making informed decisions to protect and manage freshwater turtle populations and habitats.

TurtleSAT emphasises public engagement and education, encouraging people of all ages and backgrounds to participate in the project. It promotes awareness about the importance of freshwater turtle conservation and the role that individuals can play in contributing to scientific knowledge.



# Classroom Activity

## ACTIVITY

(1) Students visit the TurtleSAT website and explore the information presented.

Link to website: <https://www.turtlesat.org.au/turtlesat/> [Copy and paste into browser]

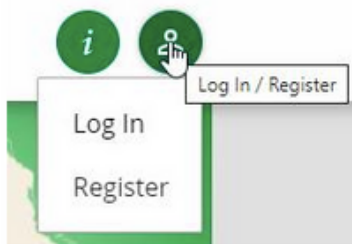
(2) Students learn about the types of data TurtleSAT collects and how to enter data.

### Record your observations

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#### Step 1 Register your details

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Register your details to join the TurtleSAT project, or simply record information with a valid email address. You do not need to register but it will make it easier for you to view your own data, and enable the TurtleSAT team to keep you informed about how your data is helping to protect turtles in your local area.

#### Step 2 Map your observations

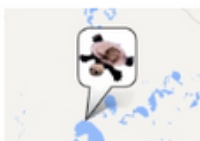
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Record wherever you see freshwater turtles, their nests or evidence of predation on turtles by pests like introduced Foxes. To enter data, zoom to your current location and place a marker on the map, then insert the details of your observation in the form provided. Mobile phone users can also enter data while in the field.

#### Step 3 Submit your record

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Submit your record and view the details in the All Sightings or My Data tabs. View other observations in your local area entered by other community members. You can also upload your photos to the Photo Gallery and they will display on the TurtleSAT website.

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# Australian Curriculum addressed in this Lesson



## Science

### 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 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.