Statistics: How far goes my car?

**(Y1)**

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| To read the most recent version of this sequence, download associated resources, and view embedded professional learning including classroom videos and work samples, visit: [https://resolve.edu.au/teaching-sequences/year-1/statistics-how-far-goes-my-car](https://resolve.edu.au/teaching-sequences/year-1/statistics-how-far-goes-my-car?utm_source=docx&utm_medium=sequence_overview&utm_campaign=how_far_car) |

# Sequence Overview

## About this sequence

Students make predictions, collect and record data about how a far a toy car might roll. They use the data they collect as evidence to refine subsequent predictions about their car.

## Australian Curriculum: Mathematics (Year 1)

### Achievement standard

Students collect and record categorical data, create one-to-one displays, and compare and discuss data using frequencies.

### Statistics

**AC9M1ST01 -** Acquire and record data for categorical variables in various ways including using digital tools, objects, images, drawings, lists, tally marks and symbols

**AC9M1ST02 -** Represent collected data for a categorical variable using one-to-one displays and digital tools where appropriate; compare the data using frequencies and discuss the findings

# Lessons in this sequence

## Lesson 1 • How far might my car roll?

Students make predictions about how far a toy car might roll.

## Lesson 2 • Rolling, rolling, rolling!

Students collect data to refine their predictions about how far a toy car might roll.

## Lesson 3 • Rolls on a ramp

Students collect data to refine their predictions about how far a toy car rolls down a ramp.

## Optional investigations • We can ask more questions about our cars

A series of new questions opens up further statistical investigations using the students’ toy cars.

## Suggested implementation

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|  | **Week 1** |
| **Monday** | **Lesson 1 • How far might my car roll?**   * Making predictions * Playing with toy cars * Cars on ramps |
| **Tuesday** | **Lesson 2 • Rolling, rolling, rolling!**   * More predictions * Collecting data * Fishbowl * Rolling cars again |
| **Wednesday** | **Lesson 3 • Rolls on ramps**   * Rolling toy cars * Making predictions * Our data story |
| **Thursday** | You might choose to do some of the optional investigations. |
| **Friday** | You might choose to do some of the optional investigations. |