

Foundation Year Satisfactory

WORK SAMPLE PORTFOLIO

The 2012 portfolios are a resource to support teachers in planning and implementation of the Foundation to Year 10 Australian Curriculum in the learning area. Each portfolio comprises a collection of student work illustrating evidence of student learning in relation to the achievement standard. At every year level there are three portfolios illustrating satisfactory, above satisfactory and below satisfactory achievement in relation to the standard.

Each portfolio comprises a collection of different student work selected by state and territory nominees, and annotated and reviewed by classroom teachers and other curriculum experts. Each work sample in the portfolio varies in terms of how much time was available to complete the task and/or the degree of scaffolding provided by the teacher.

There is no pre-determined number of student work samples in a portfolio nor are they sequenced in any particular order. Together as a portfolio, the samples provide evidence of all aspects of the achievement standard unless otherwise specified.

As the Australian Curriculum is progressively implemented in schools, the portfolios will continue to be reviewed and enhanced in relation to their comprehensiveness in coverage of the achievement standard and their representation of the diversity of student work that can be used to highlight evidence of student learning.

THIS PORTFOLIO – Foundation Mathematics

This portfolio comprises a number of work samples drawn from a range of assessment tasks, namely:

Sample 1 Number - Knowing numbers

Sample 2 Measurement - Long and short snakes

Sample 3 Measurement - My week

Sample 4 Measurement - Our day

Sample 4 Measurement - Our day
Sample 5 Location - The lost dog
Sample 6 Number - Count up

Sample 7 Geometry - Sorting shapes and objects

In this portfolio, the student orders events and recognises the days of the week (WS3). The student communicates the language of location (WS5) and compares to distinguish between longer and shorter (WS2). The student relates the number names to the correct numeral, (WS1) sorts and classifies shapes using common characteristics (WS7) and answers simple questions to collect information (WS4). The student counts to and from 20 and orders collections (WS6, WS1).

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Foundation Year Satisfactory

Knowing numbers

Relevant parts of the achievement standard

By the end of the Foundation year, students make connections between number names, numerals and quantities up to 10. They compare objects using mass, length and capacity. Students connect events and the days of the week. They explain the order and duration of events. They use appropriate language to describe location.

Students count to and from 20 and order small collections. They group objects based on common characteristics and sort shapes and objects. Students answer simple questions to collect information.

Summary of task:

Students have used the numbers 1 -20 over some time. They have used ten frames, number lines and thinkboards.

Students were asked to choose a number between 1 and 20. They wrote their number in the centre rectangle and then created a thinkboard showing as many possibilities of making or showing the chosen number.

Students placed their number on a number line and wrote the numbers above and below the number. Students were interviewed about the task.

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Foundation Year Satisfactory

Knowing numbers

Write your special number in red on the number line.

12345678 101112131415161518192020

Write the numbers before and after your special number in order.

Why did you place your number in that position on the number line?

4 is a low number so it goes near I and 20 is a higher number so 4 doesn't go there

Where might you see your special number in real life? On a number plate, candle, birthday card, clock, ticket house number, on my digital clock, the clock in the car.

Annotations

Identifies the number before and after a given number.

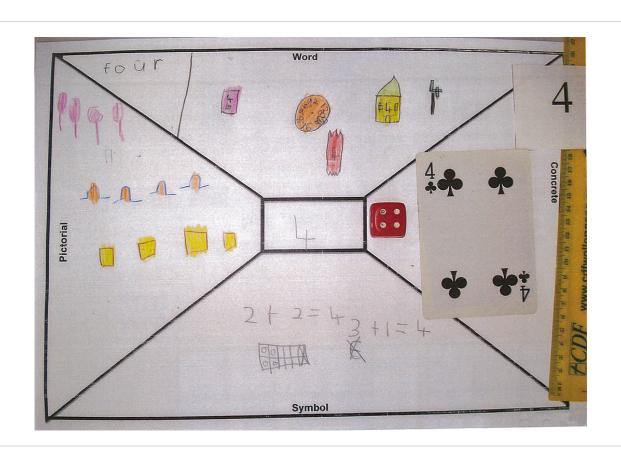
Records numbers in sequences and explains reasoning.

Acknowledgement

ACARA acknowledges the contribution of Australian teachers and education authorities in providing the tasks and work samples. The annotations are referenced to the Australian Curriculum achievement standards.

Foundation Year Satisfactory

Knowing numbers



Annotations

Represents numbers with a variety of representations including pictures, words, numerals, dots, number sentences, concrete material.

Recognises numbers in the environment.

Connects number names, numerals and quantities.

Creates, records and recognises combinations of two numbers that add up to 4. N.B. Formal writing of number sentences is not a requirement for Foundation.

Recognises numbers in a variety of visual arrangements including dice dot patterns and tens frames.

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Foundation Year Satisfactory

Long and short snakes

Relevant parts of the achievement standard

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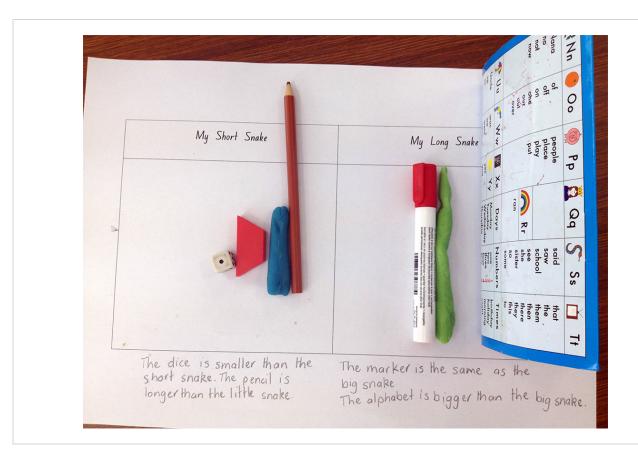
Summary of task

Students were asked to use playdough (or similar) to make "snakes" which were long and short and then asked to find something in the room which was longer than each snake and shorter than each snake. Photographs were taken and observations scribed by students focusing on using mathematical language.

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Foundation Year Satisfactory

Long and short snakes



Annotations

Creates a long and short snake.

Locates objects which are longer and shorter.

Compares objects directly by placing one against another and aligning ends.

Describes length using comparative language.

Explains reasoning using everyday language.

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Foundation Year Satisfactory

My Week

Relevant parts of the achievement standard

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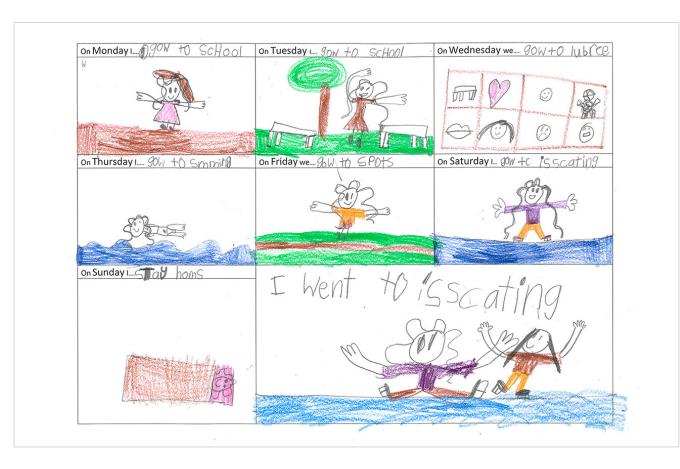
Summary of task

Students participated in class discussions about the class time table and key events. Students were given the task sheet and asked to draw or write about key events for each of the days of the week.

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Foundation Year Satisfactory

My Week



Annotations

Connects the days of the week to familiar routines.

Classifies weekends by making connections with everyday family routines.

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Foundation Year Satisfactory

Our Day

Relevant parts of the achievement standard

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Summary of task

Students were asked to discuss what they did in their day at school. They were asked to explain the order of events and these were recorded by the teacher. Students viewed photographs of typical activities and were asked to explain and order the events using the physical prompts.

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Foundation Year Satisfactory

Our Day



Annotations

Identifies the starting and finishing point of an event helping to determine it's duration.

Sequences familiar events in time order.

Identifies events that occur every day.

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Foundation Year Satisfactory

The lost dog

Relevant parts of the achievement standard

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Summary of task

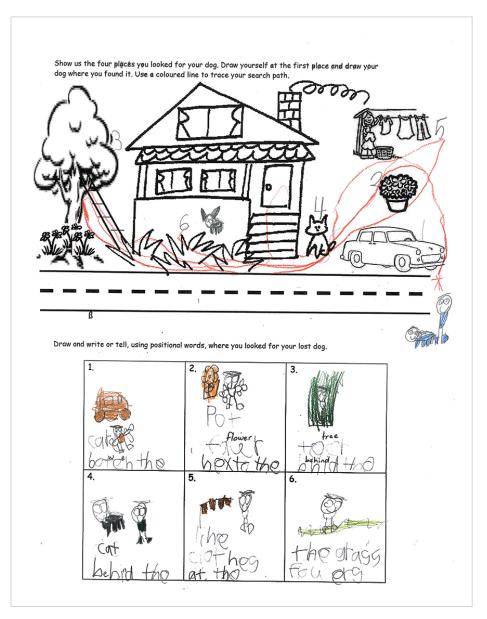
Students have been using the language of direction in their mathematics lessons. They were given a picture to show position and pathways. Students were asked to draw pictures to describe a position and then asked to describe the position using words.

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Foundation Year Satisfactory

The lost dog



Annotations

Draws a pathway indicating route taken.

Interprets a two-dimensional representation.

Uses drawings to represent personal locations along a path.

Users everyday language of location to describe the route taken.

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Foundation Year Satisfactory

Count up

Relevant parts of the achievement standard

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Summary of task

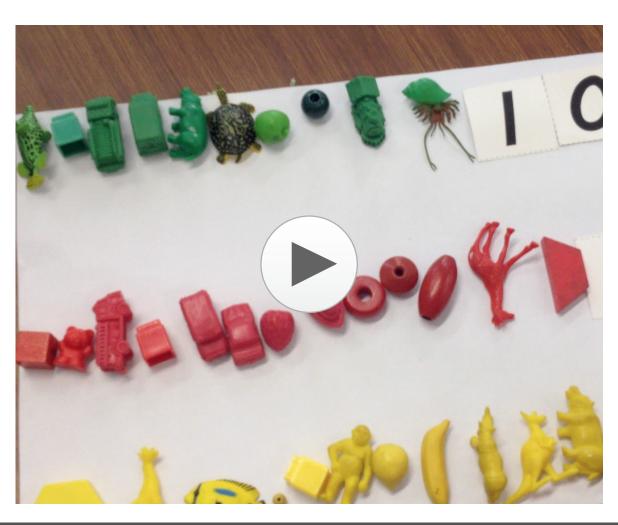
Students were given a series of objects and were asked to sort the objects into three groups (based on colour or shape). Students were asked a series of questions;

- Which group has the most objects? How do you know?
- Which group has the smallest number of objects? How do you know?
- How many objects do you have in each group?
- How can you make the groups have the same amount of objects? How do you know that they are the same?
- Can you tell me which shape is first and second in the yellow collection? How do you know?

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Foundation Year Satisfactory

Count up



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Foundation Year Satisfactory

Sorting shapes and objects

Relevant parts of the achievement standard

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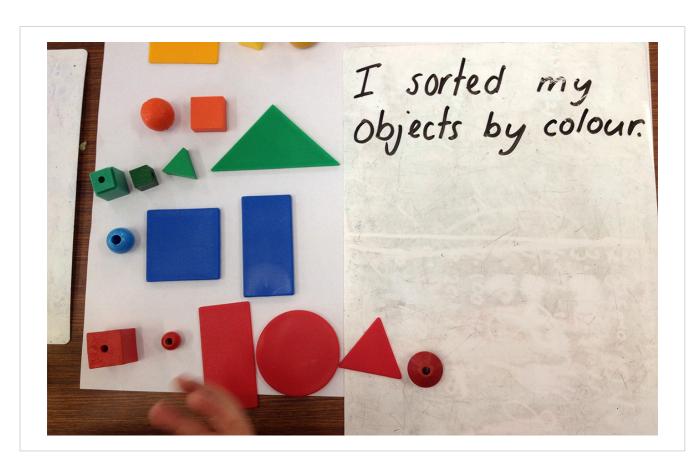
Summary of task

Students were given a bundle of shapes and objects. They were asked to group them in various ways.

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Foundation Year Satisfactory

Sorting shapes and objects



Annotations

Sorts and classifies familiar objects and explains the basis for these classifications.

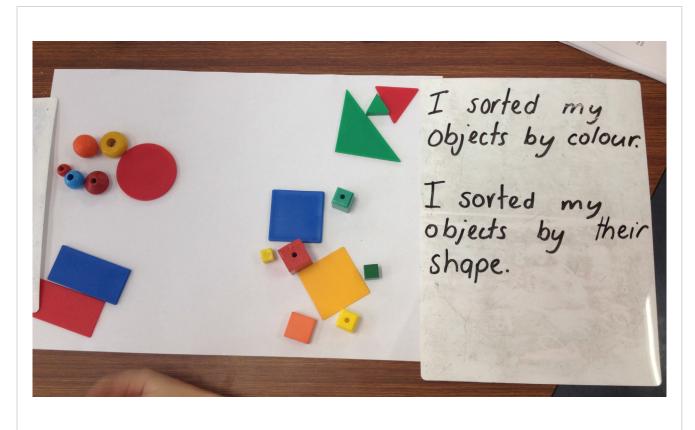
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Foundation Year Satisfactory

Sorting shapes and objects



Annotations

Recognises shapes in different orientations.

Sorts and classifies familiar objects and explains the basis for these classifications.

Sorts familiar objects according to more than one attribute.

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