

Facilitation Notes: Computational Thinking - The international perspective?

Purpose

These notes are intended to support teachers and leaders facilitate the pīkau *What is Computational Thinking?* to a group of teachers, for example, in a staff meeting.

Pre-requisites

Essential:

Pīkau: What is Computational Thinking?

Recommended:

Why Digital Technologies?

What is Design and Developing Digital Outcomes?

Preparation

Chalk (if able to work outdoors) or masking tape (indoors)

A [diagram of the sorting network](#) to refer to when the group create it

6 things to sort, like 6 numbers or words. [Examples are available from the CS Unplugged Site.](#)

Facilitation notes

These are arranged in the order that the content appears in the pīkau.

Access to a data projector or shared screen and speakers to present the pīkau is recommended.

Estimated time: 45 minutes (without extension activity)

Section	Facilitation Notes
What you'll learn...	The focus of this pīkau toolkit is to support you and your teachers to get an overview of what computational thinking looks like internationally.

Defining CT	<p>The key points of this section are:</p> <ul style="list-style-type: none"> • Exploring how far reaching computational thinking is. • Understanding that this isn't new and also that it isn't just being introduced into New Zealand, but around the world.
Activity...	<p>Create the Sorting Network (have the group draw it themselves, either with masking tape indoors or chalk on tarseal) and try it out with various items to sort.</p>
Discussion opportunities	<p>What was the smallest step used in the process? Tip: Does it come down to comparing one item to another? What happens if two items have the same value?</p>
Defining CT	<p>What surprised you about what's happening internationally?</p>
Where to next?	<p>What opportunities can we explore now that we've completed this pīkau toolkit</p>