

CURRICULUM ACTIVITY: Years 7–8 Clarity, Enlightenment, and Insight

Ākonga design and carry out small investigations, recording and analysing data. They reflect on what the findings show and how they connect to prior knowledge. Māramatanga is demonstrated as ākonga deepen their understanding and draw conclusions independently.

Tikanga Practices: Māramatanga is portrayed within this scenario through:

- Through **rangatiratanga**, ākonga take responsibility for designing fair tests and analysing findings, showing leadership in thoughtful and ethical inquiry.
- Using **kotahitanga**, ākonga work collaboratively to interpret data, recognising how collective insight strengthens reasoning and connects science with mātauranga Māori.
- Guided by **whakapapa**, ākonga connect new discoveries to prior knowledge, realising that understanding grows through layering insight over time and experience.

Kaiako: Questions for Reflection

1. How do you support ākonga to design fair tests and evaluate their own findings independently?
2. In what ways can māramatanga help ākonga see connections between science and mātauranga Māori?
3. How do you nurture deeper reasoning and self-awareness in their learning process?



WAIATA: WHAKARONGO KI TE KARAKA

(Kaitito: Nā Ngā Iwi o te Motu)

Whakarongo ki te karaka tika toka
tika toka tika toka e
Titiro ki tana kanohi tika toka tika toka
tika toka e
E rua ana ringa e, he ringa roa, he ringa
poto huri mau ē
Tahi, rua, toru, whā, rima, ono, whitu, waru, iwa,
tekau, tekau mā tahi, tekau mā rua
Tika toka tika toka tika toka e!

Listen to the clock tick tick, tick tick, tick tick.

Look at his face tick tick, tick tick, tick tick.

It has two hands a long and a short which
turns to the left.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Tick tick tick tick tick tick.



Scan to link to Waiata

Ngā Taonga Whakaako Tikanga Māori – Theory and Practice

Primary Education Contexts



MĀRAMATANGA UNDERSTANDING

UC
UNIVERSITY OF
CANTERBURY

Te Kāhui Pā Harakeke
Child Well-being
Research Institute

Ako
AOTEAROA

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MĀRAMATANGA UNDERSTANDING

Māramatanga refers to illumination, clarity, and understanding — the moment when insight or comprehension dawns. In teaching and learning, māramatanga represents the journey from unknowing to knowing, where learners gain new knowledge, deeper understanding, and wisdom through meaningful engagement. It is not simply about acquiring facts but about seeing connections, patterns, and relationships in ways that enrich one's worldview. Māramatanga emerges through dialogue, reflection, and lived experience, where learners and educators co-construct knowledge. It honours both intellect and intuition, encouraging learners to explore, question, and critically engage. In this way, māramatanga supports the development of thoughtful, reflective individuals who can apply their understanding for the collective good.



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these resources



CURRICULUM ACTIVITY: Years 1–3 Clarity, Enlightenment, and Insight

Tamariki explore shadows using torches and sunlight, noticing how shapes change. Kaiako ask simple questions about what they observe and why. Māramatanga is applied as tamariki begin to understand cause and effect through observation.

Tikanga Practices:

- Through **mōhiotanga**, tamariki explore shadows with curiosity, observing how light changes shapes and learning that discovery begins with close, careful noticing.
- Guided by **ako**, tamariki share their explanations about shadows, learning from one another and recognising the value of each voice in understanding.
- Using **whanaungatanga**, tamariki collaborate in their experiments, strengthening relationships and confidence as they explore light, shape, and movement together.

Kaiako: Questions for Reflection

1. How do you encourage curiosity and wonder as tamariki observe changes in light and shadow?
2. In what ways can you support tamariki to share their own explanations or predictions about what they see?
3. How can you extend tamariki exploration to include connections with nature or daily life?

CURRICULUM ACTIVITY: Years 4–6 Clarity, Enlightenment, and Insight

Tamariki conduct simple experiments, such as testing which objects float or sink, making predictions, and observing outcomes. Tamariki discuss patterns and reasons for results. Māramatanga is enacted as tamariki develop insight and understanding through inquiry and reflection.

Tikanga Practices:

- Through **wānanga**, tamariki discuss predictions and results, engaging in shared thinking that links experimentation with reasoning and cultural perspectives.
- Using **mātauranga**, learners test what floats or sinks, connecting physical observation with deeper understanding of patterns in nature and design.
- Guided by **manaakitanga**, tamariki support one another's learning, showing respect for diverse ideas while reflecting on how shared discovery enriches understanding.

Kaiako: Questions for Reflection

1. How do I guide tamariki to think critically about patterns and causes in their experiments?
2. What strategies help me link māramatanga to inquiry and reflection rather than just outcomes?
3. How can I integrate cultural perspectives about understanding and discovery?

