

Digital Technologies Hangarau Matihiko

What **teachers, leaders & Communities of Learning** need to know

Strengthening the New Zealand Curriculum & Te Marautanga o Aotearoa from 2018

DIGITAL TECHNOLOGIES ARE TRANSFORMING HOW WE LIVE - SHAPING OUR HOMES AND OUR WORKPLACES, AND CHANGING THE WAY THAT WE INTERACT WITH EACH OTHER AND LIVE OUR EVERYDAY LIVES.



Technology is changing fast and our education system needs to grow and adapt with it. We are changing how we equip our children and young people to participate, create, and thrive in this fast-evolving digital world.

What is Digital Technologies & Hangarau Matihiko (DT & HM)?

DT & HM is about teaching students how technology works, and how they can use that knowledge to solve problems.

Who is the curriculum intended for?

From 2020, the curriculum will be available for all students from year 1 to year 13. Students have the opportunity to specialise from year 11 to year 13. We are starting with NCEA Level 1 achievement standards, which will be available for use from 2018. Levels 2 and 3 will be made available from 2019.

Timeline: DT & HM curriculum content, from consultation to implementation



* From this point we encourage you to start adapting your teaching programmes to include DT & HM and become confident with the content.

What will change in classrooms?

Many teachers, schools, kura and Kāhui Ako are already making digital technologies learning part of their teaching programmes. This change ensures that all learners get these experiences, to prepare them for a world where digital skills are increasingly valuable to the economy and wider society.

Within the Technology and Hangarau Learning area of *The New Zealand Curriculum* and *Te Marautanga o Aotearoa*, two new areas have been introduced for both English and Māori medium:

- » Computational Thinking for Digital Technologies (students will develop an understanding of computer science principles that underlie all digital technologies. They'll learn core programming concepts so that they can become creators of digital technology, not just users).
- » Designing and Developing Digital Outcomes (learning how to design quality, fit-for-purpose digital solutions).

In *Te Marautanga o Aotearoa*, a further two new areas are also being included:

1. Ngā Aria o Ngā Whakatupuranga Hangarau Matihiko Arareo Māori (Concepts of Digital Technology).
2. Te Tangata me te Rorohiko (People and Computers).

How will you be supported through this change?

A range of Professional Learning Development (PLD) and support opportunities will be made available to you to help you comfortably integrate DT & HM into your teaching and learning programmes.

The range of initiatives are being developed to support the entire learner pathway, from early childhood through to secondary education.

Updated information will be available from education.govt.nz. You can sign up for updates on the DT & HM curriculum on the PLD website here:

<http://bit.ly/2trvAOM>

How can you have your say and find out more?

You are welcome to give us your feedback on the draft curriculum at the survey link below or attend a workshop near you.

Find out more

<http://education.govt.nz/digital-technology-consultation>

If you'd like to get in touch email:

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education.govt.nz



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