DIGITAL PASSPORT

Digital Passport - Years, Levels and Progress Outcomes

This document outlines how the Digital Passport is structured in relation to the years and levels of the NZ Curriculum and the progress outcomes within the two new technology areas of the digital curriculum.

It is noted that there is no explicit link between years and levels in the NZ curriculum. However there are expected ranges that underlie the relationship, as indicated in Figure 1.

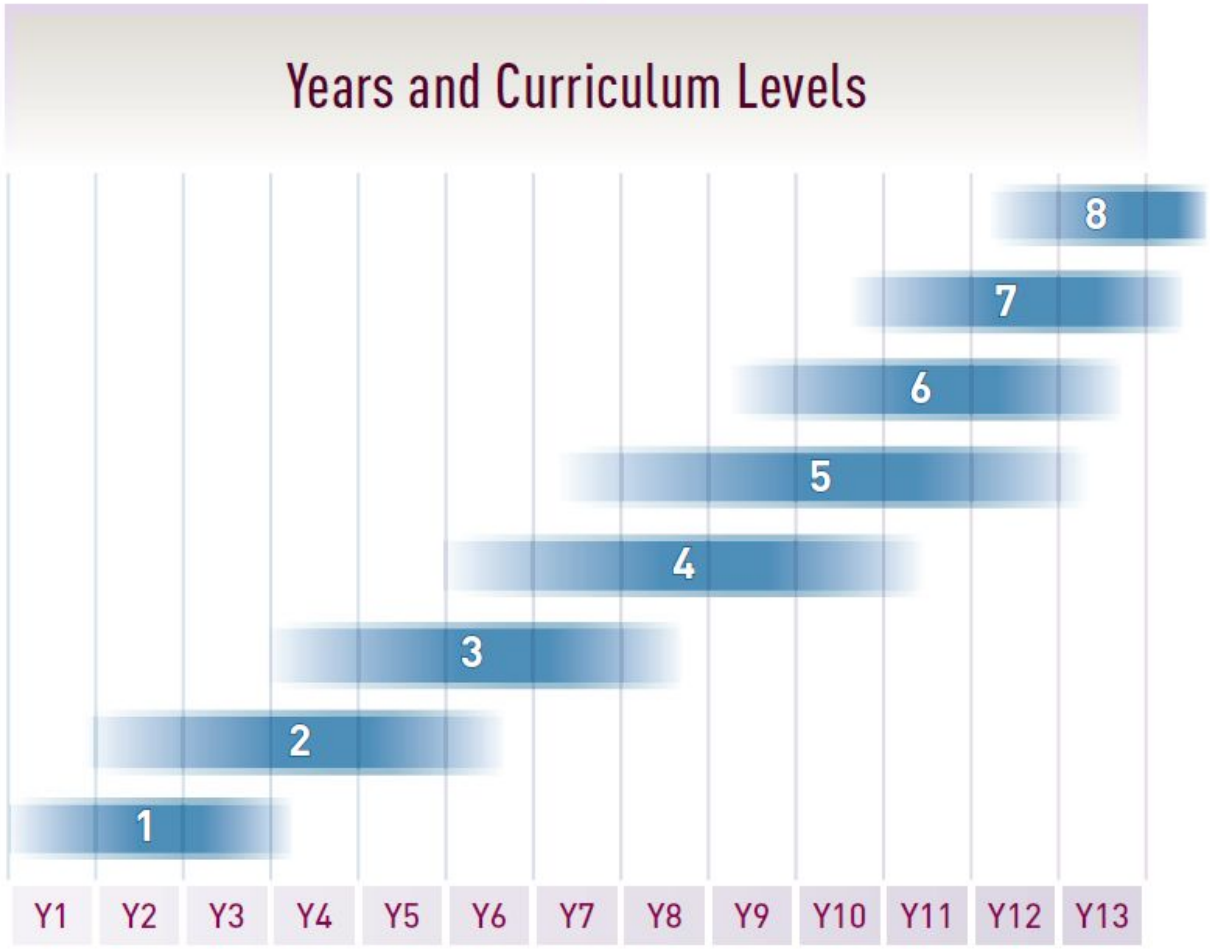

Figure 1: Years and Curriculum Levels in the NZ Curriculum (https://nzcurriculum.tki.org.nz/content/download/1110/11995/file/Charts1.pdf)

The progress outcomes of the digital curriculum do not align specifically to either years or levels, but have initially been positioned at various points in some levels. Figure 2 shows the progress outcomes for the technology area Computational Thinking for Digital Technologies, and Figure 3 shows the progress outcomes for Designing and Developing Digital Outcomes.

Note that the digital passport only addresses the digital curriculum up to level 5/year 10 (the entitlement curriculum). It should be noted that the ministry regards the positioning of progress outcomes as open to change based on the experience of teachers in actually implementing the curriculum.

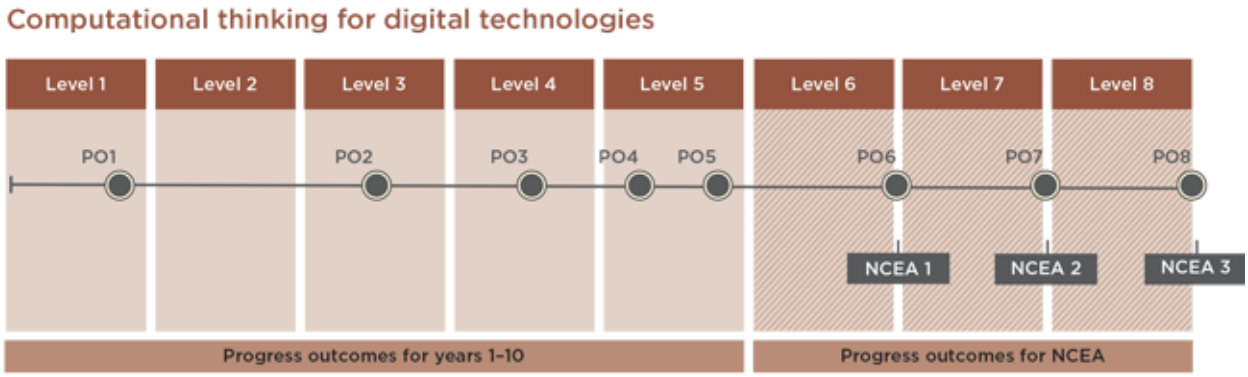

Figure 2: Progress outcomes for the technology area Computational Thinking for Digital Technologies
http://nzcurriculum.tki.org.nz/The-New-Zealand-Curriculum/Technology/Progress-outcomes#collapsible1

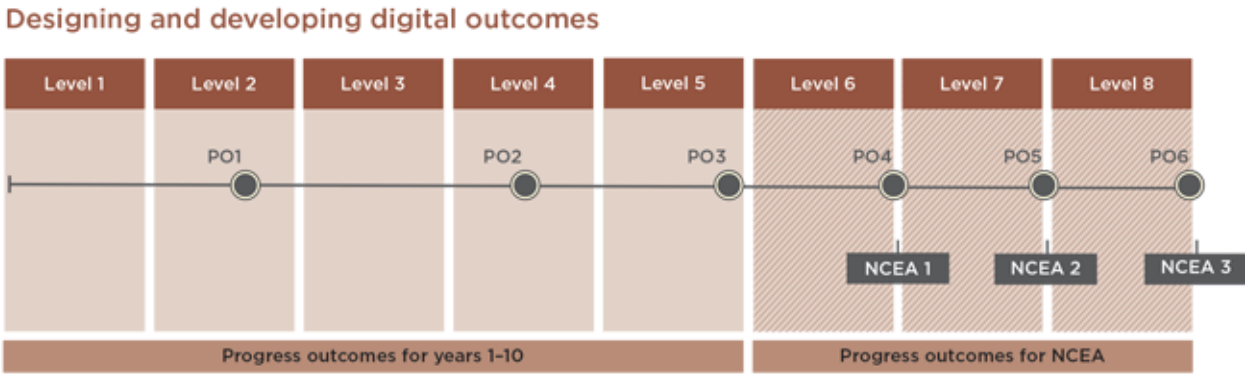

Figure 3: Progress outcomes for Designing and Developing Digital Outcomes.
http://nzcurriculum.tki.org.nz/The-New-Zealand-Curriculum/Technology/Progress-outcomes#collapsible2

Mapping these together gives us an approximate indication of where these progress outcomes might lie in terms of years

Computational Thinking Progress Outcome 1 - level 1 - years 1-3
Computational Thinking Progress Outcome 2 - level 3 - years 4-7
Computational Thinking Progress Outcome 3 - level 4 - years 6-10
Computational Thinking Progress Outcome 4 - level 5 - years 7-12
Computational Thinking Progress Outcome 5 - level 5 - years 7-12

Designing and Developing Digital Outcomes Progress Outcome 1 - level 2 - years 2-5
Designing and Developing Digital Outcomes Progress Outcome 2 - level 4 - years 6-10
Designing and Developing Digital Outcomes Progress Outcome 3 - level 5 - years 7-12

The Digital Passport and Year Ranges

The Digital Passport groups these outcomes together into four workshops, intended to provide suitable sets of learning materials for activities across a range of years/levels

Workshop 1: Years 1-3

Computational Thinking Progress Outcome 1 - level 1 - years 1-3
Computational Thinking Progress Outcome 2 - level 3 - years 4-7
Designing and Developing Digital Outcomes Progress Outcome 1 - level 2 - years 2-5

Workshop 2: Years 4-5

Computational Thinking Progress Outcome 3 - level 4 - years 6-10
Designing and Developing Digital Outcomes Progress Outcome 1 - level 2 - years 2-5

Workshop 3: Years 6-7

Computational Thinking Progress Outcome 4 - level 5 - years 7-12
Designing and Developing Digital Outcomes Progress Outcome 2 - level 4 - years 6-10

Workshop 4: Years 8-10

Computational Thinking Progress Outcome 5 - level 5 - years 7-12
Designing and Developing Digital Outcomes Progress Outcome 3 - level 5 - years 7-12

It might be noted that in order to align more closely to the initial progress outcomes of the curriculum, we might have placed Computational Thinking Progress Outcome 2 - level 3 - years 4-7 into workshop 2. However progress outcome 1 does not address any technology solutions. Our approach is that technology solutions are in fact potentially appropriate for younger children and that they should be given the opportunity to use such tools prior to year 5. This has a knock on effect to the positioning on Computational Thinking Progress Outcome 3 - level 4 - years 6-10. However we believe this is consistent with our reasoning above in terms of learning progression.