Episode Overview

In this episode we look at how we can be kaitiaki (guardians) of people and what this means past, present and for the future. We consider how the memories of our whānau, including our ancestors, can be protected and shared with future generations. We visit Te Rau Aroha on the Waitangi Treaty Grounds and look at how we can record memories using an ipu maumahara/memory jar and digital animation. This episode is designed for students working at levels 3-5 of the NZ curriculum.

Resources to Support Whānau with Learning from Home

Digital technology is now a compulsory part of the New Zealand Curriculum that can be woven across other learning areas to create authentic future focused learning

This resource will support you and your child to extend their learning with links to support materials for our digital tools and unplugged activities, further research and print resources that you can use at home.

Unplugged Activity – Create an ipu maumahara/whakanuia (memory jar)
Using paper, card, craft supplies, a container and fairy lights create a memory jar to store memories that are precious so that they are preserved for the future. Our instructions for making a memory jar.

Digital Tool Tips and Tricks - Make a Scratch project to retell a personal memory
Scratch.com is a free programming language where you can use block coding to code your own interactive stories. Watch our introductory video: Introducing Scratch or Ko Scratch Tēnei.
Episode 3 shows you how you can use Scratch to animate a memory that is special to you so that it is preserved for the future.

Curriculum Links for Teachers

Technology Progress Outcomes	Computational Thinking PO3: In authentic contexts and taking account of end-users, students decompose problems into step-by-step instructions to create algorithms for computer programs. They use logical thinking to predict the behaviour of the programs, and they understand that there can be more than one algorithm for the same problem. They develop and debug simple programs that use inputs, outputs, sequence, and iteration (repeating part of the algorithm with a loop). They understand that digital devices store data using just two states represented by binary digits (bits).
NZC Learning Areas	Social Sciences - **Identity, Culture, and Organisation** – Students learn about society and communities and how they function. They also learn about the diverse cultures and identities of people within those communities and about the effects of these on the participation of groups and individuals.
Learning Intentions	Understand the role of kaitiaki that people hold to save and share important memories and information. Use block coding to create algorithms that present both visual and audio outputs.
Success Criteria - *Students will be able to*	Explain the importance of saving and storing memories of important people in our whānau and communities. Decompose the given task or problem to create algorithms to record a memory in Scratch. Debug algorithms to ensure the computer program works correctly.

Ngā Hononga ki te Marautanga

Te Aho Hangarau Matihiko	**Whakaaro Rorohiko (Whakatupuranga 1):** Ko te whakaaro hātepe - Ka wetewetea tētahi tūmahi rorohiko-kore ki ētahi tohutohu tika, tohutohu mārama, me kī, kia māmā ngā tohutohu (whakaaro hātepe). Ka taea te tuku tohutohu, ka tautohu mēnā kei te hē, ā, ka whakatika ai (te patuiro).
Te Marautanga Wahanga Ako 1	**Tikanga ā Iwi:** Te Whakaritenga Pāpori me te Ahurea - Ka whakawhanake mōhiotanga te ākonga ki: ngā take me ngā huarahi e whakarite ai te tangata i a ia anō ki te whakatutuki i ōna matea; ngā motika, ngā tūranga me ngā haepapa o te tangata i a ia e pāhekoheko ana i waenga rōpū; te hononga o te ahurea ki te tuakiri o te tangata me ngā putanga iho o te pāhekohekotanga ahurea.
Ngā Whainga Ako	E taea te whakamarama he aha te whai tikanga o ngā pūrākau me ngā kōrero tuku iho, ō tōna whānau, hāpū, iwi,hapori. Whakamahia ngā hātepe ka whakaatuhia ngā toi atata,me ngā atata rongo.
Ngā Putanga Ako	Whakamāoritia he aha te ngako o ngā kōrero tuku iho. Whakaoti ngā hātepe mo tō (sprite). Whakangangaratia ngā hātepe kia whakatika i te he.

Learning Links and Reading Lists for Whānau and Teachers

Extension Activities

DT/HM Unplugged Activity: Tukutuku Coding Grid
First World War Inquiry Guides and Resources (TKI)

Research Links

Te Rau Aroha Museum, Waitangi
Online Cenotaph Records, Auckland War Memorial Museum
Harding Waipuke Leaf, 28 Māori Battalion
Te Papa Tongarewa Museum of New Zealand

Print Resources

Our instructions for making a memory jar

Literacy Resources

Journal series: Te Hokowhitu-a-Tū: The Māori Pioneer Battalion (Level 3 June 2014)
                   Lest We Forget (Level 4 June 2014)

Connected series: Cracking the Code: Listening to the Land (Level 3 2018)

Raranga Matihiko tv
weaving museum taonga and digital learning together