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AI Tools For Education

NOPPA Conference

September 26, 2024



TONY GILBERT

Sales Director, NZ

- Sales Director & Former Deputy Principal
- 20+ years in Education and Technology
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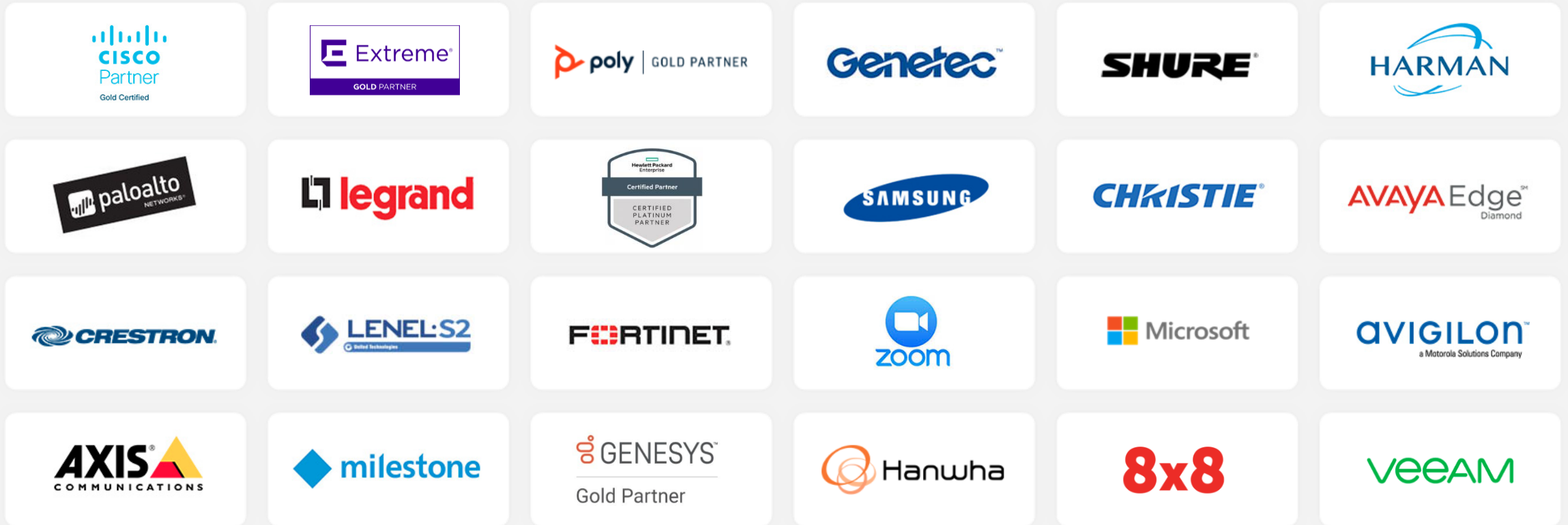
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Key Topics



AI Tools for Preparing
Materials and Lessons



AI Tools for
Classroom Delivery



AI Tools for Teachers
Less Confident with AI



Things to be Careful
of



Implementations Tips
and Summary

AI Tools for Preparing Materials and Lessons



English & Literacy



01 ChatGPT (OpenAI)



Purpose: Generate lesson plans, writing prompts, reading comprehension questions.

Ease of Use: Moderate; requires some familiarity with prompting.

Pricing: Free tier available; Subscription for advanced features.

Link: <https://openai.com/product/chatgpt>

02 Grammarly



Purpose: Assist in writing and editing materials with grammar and style suggestions.

Ease of Use: High; user-friendly interface.

Pricing: Free basic version; Premium subscription available.

Link: <https://www.grammarly.com/>

03 Read & Write



Purpose: Support reading and writing for students, including text-to-speech and speech-to-text features.

Ease of Use: High; intuitive for both teachers and students.

Pricing: Free trial available; Subscription required for full features.

Link: <https://www.texthelp.com/products/free-for-teachers/read-and-write/>

04 Storybird



Purpose: Encourage creative writing and storytelling through visual prompts.

Ease of Use: High; drag-and-drop interface for creating stories.

Pricing: Free basic access; Subscription for additional features.

Link: <https://storybird.com/>

Mathematics

05 Khan Academy



Purpose: Provide interactive math lessons and practice exercises.

Ease of Use: High; well-structured and easy to navigate.

Pricing: Free.

Link: <https://www.khanacademy.org/>

06 Prodigy



Purpose: Gamified math practice tailored to student levels.

Ease of Use: High; engaging and straightforward.

Use: Free basic version; Premium

Pricing: subscription available.

Link: <https://www.prodigygame.com/>

07 Desmos



Purpose: Advanced math tools for visualising mathematical concepts and interactive activities.

Ease of Use: High; user-friendly for both teachers and students.

Pricing: Free.

Link: <https://www.desmos.com/>



Science

08 Nearpod



Purpose: Create interactive science lessons with quizzes, polls, and VR experiences.

Ease of Use: Moderate; offers templates to simplify creation.

Pricing: Free basic version; Premium subscription available.

Link: <https://nearpod.com/>

09 Mystery Science



Purpose: Offer ready-to-use science lessons and activities.

Ease of Use: High; lesson plans are easy to implement.

Pricing: Free trial available; Subscription required for full access.

Link: <https://mysteryscience.com/>

10 Tynker



Purpose: Introduce coding and computational thinking through interactive science projects.

Ease of Use: Moderate; designed for young learners.

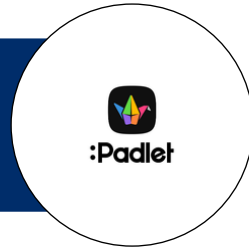
Pricing: Free basic courses; Subscription for full access.

Link: <https://www.tynker.com/>



Social Studies

11 Padlet



Purpose: Facilitate collaborative projects and discussion boards on social studies topics.

Ease of Use: High; drag-and-drop interface.

Pricing: Free basic version; Premium subscription available.

Link: <https://padlet.com/>

12 Google Earth for Education



Purpose: Explore geographical locations and historical sites virtually.

Ease of Use: Moderate; interactive and engaging.

Pricing: Free.

Link: <https://www.google.com/earth/education/>

13 Book Creator



Purpose: Create digital books and interactive stories related to social studies topics.

Ease of Use: High; intuitive design tools.

Pricing: Free basic version; Subscription for advanced features.

Link: <https://bookcreator.com/>



Health and Physical Education

14 Go Noodle



GoNoodle

Purpose: Provide movement and mindfulness activities to engage students physically.

Ease of Use: High; easy to integrate into daily routines.

Pricing: Free basic access; Premium subscription available.

Link: <https://www.gonoodle.com/>

15 Sworkit Kids



**SWORKIT
KIDS**

Purpose: Offer guided exercise routines tailored for children.

Ease of Use: High; user-friendly interface.

Pricing: Free basic version; Subscription for full access.

Link: <https://app.sworkit.com/collections/kids-workouts>



Arts

16 Canva for Education



Purpose: Create visual art projects, presentations, and infographics.

Ease of Use: High; intuitive drag-and-drop design.

Pricing: Free for educators; Premium features available.

Link: <https://www.canva.com/education/>

17 Scratch



Purpose: Introduce basic coding and creative digital projects.

Ease of Use: Moderate; designed for young learners.

Pricing: Free.

Link: <https://scratch.mit.edu/>

18 Explain Everything



Purpose: Create interactive whiteboard activities and multimedia presentations.

Ease of Use: Moderate; feature-rich platform.

Pricing: Free basic version; Subscription available.

Link: <https://explaineverything.com/>



Te Reo Māori and Māoritanga



19 Māori Dictionary



Purpose: Access comprehensive Māori-English dictionaries for lesson planning and student use.

Ease of Use: High; user-friendly online platform.

Pricing: Free.

Link: <https://maoridictionary.co.nz/>

20 Te Aka Māori- English Dictionary



Purpose: Provide an extensive resource for translating and understanding te reo Māori.

Ease of Use: High; accessible via web and app.

Pricing: Free.

Link: <https://maoridictionary.co.nz/>

21 Kupu.io



Purpose: Interactive platform for teaching and learning te reo Māori through games and activities.

Ease of Use: High; engaging for students.

Pricing: Free basic version; Subscription available.

Link: <https://kupu.io/>

22 He Pūtahi Hapori



Purpose: Connect with Māori communities and resources for culturally responsive teaching.

Ease of Use: High; community-driven platform.

Pricing: Free.

Link:

General Tools for All Learning Areas

25 Kami



Purpose: Interactive document annotation and collaboration.

High; integrates with Google Classroom.

Ease of Use:

Free basic version; Premium subscription available.

Pricing:

<https://www.kamiapp.com/>

Link:

23 Microsoft Copilot



Purpose: Enhance Microsoft 365 applications with AI assistance for creating documents, presentations, and spreadsheets.

High; seamlessly integrated into familiar Microsoft tools.

Ease of Use:

Subscription required as part of Microsoft 365.

Pricing: <https://www.microsoft.com/en-us/microsoft-365/copilot>

Link:

24 Google Workspace (Gemini)



Purpose: Utilise Google Docs, Slides, Sheets with AI-enhanced features for collaboration and content creation.

High; familiar interface for many users.

Ease of Use:

Subscription required as part of Google Workspace.

Pricing:

<https://workspace.google.com/>

Link:

26 Thinglink



Purpose: Create interactive images and videos for enhanced learning experiences.

Ease of Use: Moderate; requires some creativity.

Pricing: Free basic access; Subscription for advanced features.

<https://www.thinglink.com/>

Link:

27 ClassDojo



Purpose: Behaviour management and communication tool for teachers, students, and parents.

High; simple and intuitive.

Ease of Use:

Free; additional features available for purchase.

Pricing:

<https://www.classdojo.com/>

Link:



AI Tools for Classroom Delivery



Interactive Presentations and Assessments

01 Pear Deck



Purpose: Create interactive presentations with embedded questions and activities.

Ease of Use: Moderate; integrates with Google Slides and PowerPoint.

Pricing: Free basic version; Premium subscription available.

Link: <https://www.peardeck.com/>

02 Socrative



Purpose: Conduct real-time quizzes and polls to gauge student understanding.

Ease of Use: High; straightforward setup and use.

Pricing: Free basic version; Premium subscription available.

Link: <https://socrative.com/>

03 Plickers



Purpose: Conduct formative assessments using printed cards and a mobile device.

Ease of Use: High; no student devices required.

Pricing: Free; Optional paid features available.

Link: <https://www.plickers.com/>



Video and Multimedia

04 Edpuzzle



Purpose: Add interactive elements to videos for enhanced learning.

Ease of Use: Moderate; requires initial setup.

Pricing: Free basic version; Premium subscription available.

Link: <https://edpuzzle.com/>

05 Flipgrid



Purpose: Facilitate video discussions and student presentations.

Ease of Use: High; easy for students to record and

Use: share videos.

Pricing: Free.

Link:

06 VoiceThread



Purpose: Create multimedia presentations with voice, text, and video comments.

Ease of Use: Moderate; versatile multimedia

Use: capabilities.

Pricing: Free basic version; Premium subscription available.

Link: <https://voicethread.com/>



Gamification and Engagement

07 Classcraft



Purpose: Gamify classroom behaviour and engagement to motivate students.

Ease of Use: Moderate; requires initial configuration.

Pricing: Free basic version; Premium subscription available.

Link: <https://www.classcraft.com/>

08 Quizlet



Purpose: Create flashcards and study games to reinforce learning.

Ease of Use: High; user-friendly and engaging.

Pricing: Free basic version; Quizlet Plus available.

Link: <https://quizlet.com/>

09 Tynker



Purpose: Introduce coding through gamified learning experiences.

Ease of Use: High; engaging for students.

Pricing: Free basic courses; Subscription for full access.

Link: <https://www.tynker.com/>



Communication and Collaboration

10 Remind



Purpose: Facilitate communication between teachers, students, and parents.

Ease of Use: High; simple messaging platform.

Pricing: Free basic version; Premium subscription available.

Link: <https://www.remind.com/>

11 Seesaw



Purpose: Provide a platform for student portfolios and teacher feedback.

Ease of Use: High; intuitive interface for all users.

Pricing: Free basic version; Premium subscription available.

Link:

12 Flip (by Microsoft)



Purpose: Create short videos for interactive learning and feedback.

Ease of Use: High; integrated with Microsoft tools.

Pricing: Free with Microsoft 365 subscription.

Link: <https://flip.microsoft.com/>



AI Tools for Teachers Less Confident with AI



AI Tools for Teachers Less Confident with AI



01 Canva for Education



for Education

Purpose: Easy creation of visual teaching materials without advanced skills.

Ease of Use: Very high; drag-and-drop functionality.

Pricing: Free for educators; Premium features available.

Link:

02 Grammarly



Purpose: Improve written materials with minimal effort.

Ease of Use: Very high; automatic suggestions.

Pricing: Free basic version; Premium subscription available.

Link: <https://www.grammarly.com/>

03 Microsoft Copilot



Purpose: Utilise AI features within familiar Microsoft applications.

Ease of Use: Very high; integrated seamlessly.

Pricing: Subscription required as part of Microsoft 365.

Link: <https://www.microsoft.com/en-us/microsoft-365/copilot>

04 Google Workspace (Gemini)



Purpose: Leverage AI enhancements within commonly used Google tools.

Ease of Use: Very high; familiar environment.

Pricing: Subscription required as part of Google Workspace.

Link: <https://workspace.google.com/>

AI Tools for Teachers Less Confident with AI

05 Book Creator



Purpose: Create digital books with minimal technical skills.

Ease of Use: Very high; simple interface.

Use:

Pricing: Free basic version; Subscription for advanced features.

Link: <https://bookcreator.com/>

06 ClassDojo



Purpose: Manage classroom behaviour and communicate with parents effortlessly.

Ease of Use: Very high; straightforward setup.

Use:

Pricing: Free; Additional features available for purchase.

Link: <https://www.classdojo.com/>

07 Māori Dictionary



Purpose: Access comprehensive Māori-English dictionaries for lesson planning and student use.

Ease of Use: Very high; user-friendly online platform.

Use:

Free.

Pricing:

<https://maoridictionary.co.nz/>

Link:



Things to Be Careful Of

When integrating AI tools into the classroom, it's essential to consider the following precautions to ensure safety, compliance, and effectiveness *within the New Zealand context:*



1. Student Data Privacy

Things to be Careful of

- **Avoid Inputting Identifiable Information:**

Do not enter students' names, addresses, or any other personal identifiers into AI tools unless the tool explicitly complies with New Zealand's Privacy Act.

- **Review Privacy Policies:**

Ensure that the AI tools adhere to the school's data protection policies and local regulations.

- **Secure Data Storage:**

Verify where and how the data is stored and who has access to it.



2. Content Appropriateness

Things to be Careful of

- **Age-Appropriate Material:**

Ensure that all content generated or accessed through AI tools is suitable for primary school students.

- **Curriculum Alignment:**

Verify that the materials align with the New Zealand Curriculum standards.



3. Cultural Sensitivity

Things to be Careful of

- **Respect Māoritanga:**

Ensure that tools and content respect Māori culture and language. Use culturally appropriate resources when teaching te reo Māori and māoritanga.

- **Inclusive Content:**

Select tools that support diverse cultural backgrounds and promote inclusivity.



4. Cost Management

Things to be Careful of

- **Understand Pricing Models:**

Be aware of subscription fees, pay-per-use costs, and free options to manage the school's budget effectively.

- **Check for Hidden Fees:**

Some tools may have additional costs for premium features or higher usage levels.



5. Tool Reliability and Support

Things to be Careful of

- **Ensure Stability:**

Choose tools that are reliable and have minimal downtime.

- **Access to Support:**

Prefer tools that offer robust customer support and resources for troubleshooting.



6. Accessibility

Things to be Careful of

- **Inclusive Design:**

Ensure that the tools are accessible to all students, including those with disabilities.

- **Device Compatibility:**

Verify that the tools work across the devices available in your classroom.



7. Licensing and Compliance

Things to be Careful of

- **Proper Licensing:**
Ensure that the school has the appropriate licences to use the tools.
- **Compliance with Policies:**
Adhere to school and district policies regarding technology use.



8. Professional Development

Things to be Careful of

- **Training Opportunities:**

Take advantage of training sessions to become proficient with the tools.

- **Continuous Learning:**

Stay updated with the latest features and best practices.



9. Consultation with Senior Leadership

Things to be Careful of

- **When in Doubt:**

If unsure about the suitability, cost, data privacy, or compliance of a tool, consult with senior leadership or the IT department before implementation.

- **Approval Processes:**

Follow the school's approval processes for adopting new technologies.



Implementation Tips and Summary of Recommended AI Tools for NZ Primary School Teachers



Implementation Tips



Implementation Tips

Start Simple: Begin with user-friendly tools like Canva for Education, [Grammarly](#), and [Māori Dictionary](#) to build confidence.

Professional Development: Attend training sessions on integrating AI tools like [Microsoft Copilot](#), [Google Workspace](#), and te reo Māori resources.

Collaborate: Share experiences and best practices with fellow teachers to maximise tool effectiveness.

Student Privacy: Ensure that any tool used complies with New Zealand's privacy regulations and school policies.



Implementation Tips

Feedback: Regularly seek feedback from students to understand which tools enhance their learning experience.

Monitor Usage: Keep track of subscription costs and ensure tools remain within the school budget.

Cultural Responsiveness: Use tools like [Kupu.io](https://www.kupu.io) and He Pūtahi Hapori to support culturally responsive teaching practices.

Consult Leadership: If unsure about a tool's suitability, data privacy, or cost, consult with senior leadership or the IT department before implementation.



Summary of Recommended AI Tools for NZ Primary School Teachers



Preparation Tools

Summary of Recommended AI Tools for NZ Primary School Teachers

- [ChatGPT \(OpenAI\)](#)
- Canva for Education
- [Grammarly](#)
- [Khan Academy](#)
- [Prodigy](#)
- [Desmos](#)
- [Nearpod](#)
- [Mystery Science](#)
- [Tynker](#)
- [Padlet](#)
- Google Earth for Education
- [Book Creator](#)
- [GoNoodle](#)
- Sworkit Kids
- [Scratch](#)
- [Explain Everything](#)
- [Māori Dictionary](#)
- [Te Aka Māori-English Dictionary](#)
- [Kupu.io](#)
- He Pūtahi Hapori



Classroom Delivery Tools

Summary of Recommended AI Tools for NZ Primary School Teachers

- [Pear Deck](#)
- [Socrative](#)
- [Plickers](#)
- [Edpuzzle](#)
- Flipgrid
- [VoiceThread](#)
- [Classcraft](#)
- [Quizlet](#)
- [Remind](#)
- Seesaw
- [Flip \(by Microsoft\)](#)



User-Friendly AI Tools for All Teachers

Summary of Recommended AI Tools for NZ Primary School Teachers

- Canva for Education
- [Grammarly](#)
- [Microsoft Copilot](#)
- [Google Workspace \(Gemini\)](#)
- [Book Creator](#)
- [ClassDojo](#)
- [Māori Dictionary](#)



Tools for Teaching Te Reo Māori and Māoritanga

Summary of Recommended AI Tools for NZ Primary School Teachers

- [Māori Dictionary](#)
- [Te Aka Māori-English Dictionary](#)
- [Kupu.io](#)
- He Pūtahi Hapori





Recommendations for Safe Usage

Recommendations for Safe Usage

1. For Beginners and Less Confident Users:

- [Canva for Education](#)
- [Grammarly](#)
- [Microsoft Copilot](#)
- [Google Workspace \(Gemini\)](#)
- [Book Creator](#)
- [ClassDojo](#)
- [Māori Dictionary](#)

2. For Comprehensive Integration:

- [ChatGPT \(OpenAI\)](#)
- [Khan Academy](#)
- [Nearpod](#)
- [Pear Deck](#)
- [Desmos](#)

3. For Interactive and Engaging Classroom Delivery:

- [Socrative](#)
- [Edpuzzle](#)
- [Flipgrid](#)
- [Quizlet](#)
- [Plickers](#)

4. For Enhancing Creativity and Collaboration:

- [Padlet](#)
- [Scratch](#)
- [Thinglink](#)
- [VoiceThread](#)

5. For Teaching Te Reo Māori and Māoritanga:

- [Māori Dictionary](#)
- [Te Aka Māori-English Dictionary](#)
- [Kupu.io](#)
- He Pūtahi Hapori



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Thank You